



【FR1 n41__FCC_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.12	23.13	23.03	24.00
100	PI/2 BPSK	1	137	22.80	22.91	22.77	24.00
100	PI/2 BPSK	1	271	22.94	23.08	22.90	24.00
100	PI/2 BPSK	135	0	22.84	22.92	22.72	24.00
100	PI/2 BPSK	135	69	22.87	22.91	22.72	24.00
100	PI/2 BPSK	135	138	22.87	22.96	22.72	24.00
100	PI/2 BPSK	270	0	22.80	22.88	22.76	24.00
100	QPSK	1	1	22.99	23.12	22.93	24.00
100	QPSK	1	137	22.91	22.94	22.73	24.00
100	QPSK	1	271	22.86	23.01	22.81	24.00
100	QPSK	135	0	22.82	22.96	22.71	24.00
100	QPSK	135	69	22.82	22.91	22.70	24.00
100	QPSK	135	138	22.78	22.89	22.73	24.00
100	QPSK	270	0	22.89	22.92	22.78	24.00
100	16QAM	1	1	22.93	23.09	22.92	24.00
100	64QAM	1	1	22.95	23.04	22.88	24.00
100	256QAM	1	1	21.78	21.92	21.69	22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.00	23.08	23.00	24.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.07	22.98	22.93	24.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.05	23.02	23.01	24.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.03	23.09	22.90	24.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.03	23.07	22.94	24.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	23.08	23.09	22.97	24.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.05	23.07	22.96	24.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	23.00	23.11	23.01	24.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.04	23.00	22.88	24.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	23.02	23.11	22.90	24.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.09	23.01	23.00	24.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.10	22.99	22.94	24.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.99	23.04	22.91	24.00

【FR1 n41__FCC_HPUE_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.10	26.15	26.08	27.00
100	PI/2 BPSK	1	137	26.07	26.13	26.00	27.00
100	PI/2 BPSK	1	271	25.95	26.11	25.94	27.00
100	PI/2 BPSK	135	0	25.53	25.61	25.48	26.50



100	PI/2 BPSK	135	69	26.01	26.08	25.94	27.00
100	PI/2 BPSK	135	138	25.50	25.58	25.45	26.50
100	PI/2 BPSK	270	0	25.49	25.55	25.45	26.50
100	QPSK	1	1	25.99	26.05	25.88	27.00
100	QPSK	1	137	25.91	26.09	25.91	27.00
100	QPSK	1	271	25.94	26.03	25.93	27.00
100	QPSK	135	0	25.02	25.10	24.89	26.00
100	QPSK	135	69	25.89	26.08	25.95	27.00
100	QPSK	135	138	24.90	25.08	24.97	26.00
100	QPSK	270	0	24.92	25.05	24.97	26.00
100	16QAM	1	1	24.86	25.03	24.94	26.00
100	64QAM	1	1	23.50	23.65	23.48	24.50
100	256QAM	1	1	21.49	21.68	21.60	22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.03	26.04	26.07	27.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.02	26.09	26.05	27.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.04	26.04	26.06	27.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.01	26.03	25.97	27.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.06	26.06	25.93	27.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	25.98	26.01	25.97	27.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.08	26.13	25.93	27.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	25.97	26.04	26.05	27.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.06	26.06	25.95	27.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	25.98	26.01	26.07	27.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.03	26.12	26.05	27.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.95	26.02	26.01	27.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.98	26.04	26.05	27.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.12	23.13	23.03	24.00
100	PI/2 BPSK	1	137	22.80	22.91	22.77	24.00
100	PI/2 BPSK	1	271	22.94	23.08	22.90	24.00
100	PI/2 BPSK	135	0	22.84	22.92	22.72	24.00
100	PI/2 BPSK	135	69	22.87	22.91	22.72	24.00
100	PI/2 BPSK	135	138	22.87	22.96	22.72	24.00
100	PI/2 BPSK	270	0	22.80	22.88	22.76	24.00
100	QPSK	1	1	22.99	23.12	22.93	24.00
100	QPSK	1	137	22.91	22.94	22.73	24.00
100	QPSK	1	271	22.86	23.01	22.81	24.00
100	QPSK	135	0	22.82	22.96	22.71	24.00
100	QPSK	135	69	22.82	22.91	22.70	24.00
100	QPSK	135	138	22.78	22.89	22.73	24.00
100	QPSK	270	0	22.89	22.92	22.78	24.00
100	16QAM	1	1	22.93	23.09	22.92	24.00
100	64QAM	1	1	22.95	23.04	22.88	24.00



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100	256QAM	1	1	21.78	21.92	21.69	22.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	23.00	23.08	23.00	24.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	23.07	22.98	22.93	24.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	23.05	23.02	23.01	24.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	23.03	23.09	22.90	24.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	23.03	23.07	22.94	24.00
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	23.08	23.09	22.99	24.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	23.05	23.07	22.96	24.00
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	23.00	23.11	23.01	24.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	23.04	23.00	22.88	24.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	23.02	23.11	22.90	24.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	23.09	23.01	23.00	24.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	23.10	22.99	22.94	24.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	22.99	23.04	22.91	24.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	12.95	13.14	12.95	14.10
100	PI/2 BPSK	1	137	13.06	13.03	13.07	14.10
100	PI/2 BPSK	1	271	13.02	12.99	13.01	14.10
100	PI/2 BPSK	135	0	13.03	13.00	12.97	14.10
100	PI/2 BPSK	135	69	13.02	13.05	12.89	14.10
100	PI/2 BPSK	135	138	13.00	12.97	13.11	14.10
100	PI/2 BPSK	270	0	13.12	13.11	13.11	14.10
100	QPSK	1	1	12.95	13.00	12.91	14.10
100	QPSK	1	137	13.10	12.89	13.07	14.10
100	QPSK	1	271	12.95	13.01	12.89	14.10
100	QPSK	135	0	13.05	12.95	12.99	14.10
100	QPSK	135	69	13.00	12.90	13.05	14.10
100	QPSK	135	138	13.08	12.94	12.94	14.10
100	QPSK	270	0	12.99	12.89	12.90	14.10
100	16QAM	1	1	13.02	13.11	13.06	14.10
100	64QAM	1	1	12.94	13.00	12.94	14.10
100	256QAM	1	1	12.94	13.03	13.09	14.10
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	12.87	13.00	12.93	14.10
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	12.91	13.10	12.87	14.10
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	12.89	13.06	12.93	14.10
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)



60	PI/2 BPSK	1	1	12.87	13.03	12.80	14.10
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	12.84	13.11	12.84	14.10
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	12.88	13.12	12.81	14.10
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	12.80	13.12	12.90	14.10
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	12.87	13.10	12.88	14.10
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	12.85	13.05	12.83	14.10
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	12.87	13.05	12.87	14.10
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	12.86	13.03	12.88	14.10
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	12.91	13.02	12.80	14.10
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	12.86	13.13	12.82	14.10

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.13	16.16	16.11	17.00
100	PI/2 BPSK	1	137	15.95	16.12	16.05	17.00
100	PI/2 BPSK	1	271	16.04	16.10	15.95	17.00
100	PI/2 BPSK	135	0	16.06	16.13	16.02	17.00
100	PI/2 BPSK	135	69	16.05	16.14	16.05	17.00
100	PI/2 BPSK	135	138	15.94	16.08	15.92	17.00
100	PI/2 BPSK	270	0	15.99	16.09	15.99	17.00
100	QPSK	1	1	15.93	16.01	15.92	17.00
100	QPSK	1	137	15.88	16.05	15.89	17.00
100	QPSK	1	271	15.97	16.10	15.99	17.00
100	QPSK	135	0	15.98	16.11	15.95	17.00
100	QPSK	135	69	15.98	16.08	15.93	17.00
100	QPSK	135	138	15.95	16.05	15.88	17.00
100	QPSK	270	0	16.00	16.09	15.93	17.00
100	16QAM	1	1	15.99	16.05	15.98	17.00
100	64QAM	1	1	15.95	16.03	15.96	17.00
100	256QAM	1	1	15.97	16.01	15.88	17.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.11	16.02	16.00	17.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.11	16.07	15.97	17.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.04	16.09	16.09	17.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.99	16.10	16.08	17.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.06	16.06	15.98	17.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	16.08	16.10	15.98	17.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.07	16.10	16.09	17.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	



35	PI/2 BPSK	1	1	16.12	16.12	15.98	17.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.05	16.04	16.08	17.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	15.99	16.14	16.01	17.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.01	16.03	16.09	17.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.11	16.15	16.08	17.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.01	16.13	16.05	17.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.12	19.15	19.13	20.20
100	PI/2 BPSK	1	137	19.05	19.02	18.95	20.20
100	PI/2 BPSK	1	271	19.00	18.91	19.04	20.20
100	PI/2 BPSK	135	0	18.92	19.10	18.97	20.20
100	PI/2 BPSK	135	69	19.00	19.11	18.95	20.20
100	PI/2 BPSK	135	138	19.11	18.91	18.91	20.20
100	PI/2 BPSK	270	0	19.04	18.99	19.02	20.20
100	QPSK	1	1	18.90	18.90	18.93	20.20
100	QPSK	1	137	18.91	19.03	18.90	20.20
100	QPSK	1	271	19.11	19.10	19.11	20.20
100	QPSK	135	0	18.91	18.98	19.01	20.20
100	QPSK	135	69	19.05	19.04	18.96	20.20
100	QPSK	135	138	19.12	19.03	19.02	20.20
100	QPSK	270	0	18.99	18.90	18.95	20.20
100	16QAM	1	1	18.95	18.97	18.97	20.20
100	64QAM	1	1	19.12	19.03	18.97	20.20
100	256QAM	1	1	19.03	19.12	18.99	20.20
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.99	19.04	19.04	20.20
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.08	19.03	19.11	20.20
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.00	19.02	19.08	20.20
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.02	19.05	19.00	20.20
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.02	19.01	19.08	20.20
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	18.99	19.00	19.09	20.20
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.10	19.10	19.10	20.20
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	19.09	19.06	19.07	20.20
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.07	19.09	19.05	20.20
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	19.05	19.14	19.00	20.20
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.98	19.02	19.11	20.20
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	



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15	PI/2 BPSK	1	1	19.08	19.12	19.03	20.20
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	19.04	19.06	18.98	20.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	12.61	12.65	12.59	13.70
100	PI/2 BPSK	1	137	12.47	12.54	12.56	13.70
100	PI/2 BPSK	1	271	12.42	12.39	12.58	13.70
100	PI/2 BPSK	135	0	12.41	12.58	12.57	13.70
100	PI/2 BPSK	135	69	12.61	12.59	12.46	13.70
100	PI/2 BPSK	135	138	12.53	12.41	12.41	13.70
100	PI/2 BPSK	270	0	12.43	12.60	12.43	13.70
100	QPSK	1	1	12.46	12.50	12.62	13.70
100	QPSK	1	137	12.62	12.48	12.41	13.70
100	QPSK	1	271	12.58	12.41	12.50	13.70
100	QPSK	135	0	12.51	12.46	12.60	13.70
100	QPSK	135	69	12.57	12.42	12.43	13.70
100	QPSK	135	138	12.48	12.52	12.40	13.70
100	QPSK	270	0	12.54	12.45	12.42	13.70
100	16QAM	1	1	12.57	12.39	12.61	13.70
100	64QAM	1	1	12.46	12.61	12.50	13.70
100	256QAM	1	1	12.59	12.58	12.52	13.70
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	12.57	12.50	12.48	13.70
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	12.53	12.58	12.57	13.70
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	12.58	12.50	12.55	13.70
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	12.60	12.62	12.51	13.70
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	12.59	12.60	12.57	13.70
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	12.50	12.58	12.51	13.70
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	12.54	12.56	12.49	13.70
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	12.48	12.51	12.57	13.70
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	12.57	12.51	12.57	13.70
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	12.55	12.55	12.48	13.70
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	12.59	12.54	12.46	13.70
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	12.54	12.59	12.53	13.70
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	12.56	12.63	12.54	13.70



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.10	26.15	26.08	27.00
100	PI/2 BPSK	1	137	26.07	26.13	26.00	27.00
100	PI/2 BPSK	1	271	25.95	26.11	25.94	27.00
100	PI/2 BPSK	135	0	25.53	25.61	25.48	26.50
100	PI/2 BPSK	135	69	26.01	26.08	25.94	27.00
100	PI/2 BPSK	135	138	25.50	25.58	25.45	26.50
100	PI/2 BPSK	270	0	25.49	25.55	25.45	26.50
100	QPSK	1	1	25.99	26.05	25.88	27.00
100	QPSK	1	137	25.91	26.09	25.91	27.00
100	QPSK	1	271	25.94	26.03	25.93	27.00
100	QPSK	135	0	25.02	25.10	24.89	26.00
100	QPSK	135	69	25.89	26.08	25.95	27.00
100	QPSK	135	138	24.90	25.08	24.97	26.00
100	QPSK	270	0	24.92	25.05	24.97	26.00
100	16QAM	1	1	24.86	25.03	24.94	26.00
100	64QAM	1	1	23.50	23.65	23.48	24.50
100	256QAM	1	1	21.49	21.68	21.60	22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.03	26.04	26.07	27.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.02	26.09	26.05	27.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.04	26.04	26.06	27.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.01	26.03	25.97	27.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.06	26.06	25.93	27.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	25.98	26.01	25.97	27.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.08	26.13	25.93	27.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	25.97	26.04	26.05	27.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.06	26.06	25.95	27.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	25.98	26.01	26.07	27.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.03	26.12	26.05	27.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.95	26.02	26.01	27.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.98	26.04	26.05	27.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.10	16.16	15.95	17.10
100	PI/2 BPSK	1	137	15.97	15.92	15.98	17.10
100	PI/2 BPSK	1	271	16.00	15.99	15.96	17.10
100	PI/2 BPSK	135	0	15.91	16.05	15.89	17.10
100	PI/2 BPSK	135	69	15.88	16.05	15.99	17.10
100	PI/2 BPSK	135	138	15.93	15.97	15.94	17.10
100	PI/2 BPSK	270	0	16.07	16.03	16.01	17.10
100	QPSK	1	1	15.95	16.08	16.08	17.10
100	QPSK	1	137	15.93	15.95	16.09	17.10
100	QPSK	1	271	15.89	16.11	15.95	17.10
100	QPSK	135	0	16.07	16.04	16.10	17.10
100	QPSK	135	69	16.04	15.95	16.06	17.10
100	QPSK	135	138	15.93	15.98	15.95	17.10
100	QPSK	270	0	16.07	16.03	15.93	17.10
100	16QAM	1	1	15.95	16.05	15.93	17.10
100	64QAM	1	1	15.98	16.01	16.10	17.10
100	256QAM	1	1	15.89	15.94	16.02	17.10
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.05	16.07	15.88	17.10
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.98	16.08	15.88	17.10
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.03	16.02	15.88	17.10
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.04	16.02	15.94	17.10
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.99	16.05	15.87	17.10
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	16.07	16.12	15.84	17.10
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.02	16.12	15.94	17.10
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	15.96	16.02	15.83	17.10
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.09	16.13	15.91	17.10
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	15.95	16.13	15.81	17.10
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.07	16.07	15.89	17.10
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.97	16.02	15.91	17.10
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.05	16.10	15.82	17.10



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.16	19.19	19.13	20.00
100	PI/2 BPSK	1	137	19.07	19.16	19.01	20.00
100	PI/2 BPSK	1	271	19.05	19.11	19.03	20.00
100	PI/2 BPSK	135	0	18.98	19.15	19.00	20.00
100	PI/2 BPSK	135	69	18.98	19.14	18.94	20.00
100	PI/2 BPSK	135	138	18.99	19.11	18.95	20.00
100	PI/2 BPSK	270	0	18.92	19.08	18.93	20.00
100	QPSK	1	1	18.98	19.06	18.91	20.00
100	QPSK	1	137	18.90	19.04	18.97	20.00
100	QPSK	1	271	18.84	19.01	18.84	20.00
100	QPSK	135	0	18.98	19.13	19.03	20.00
100	QPSK	135	69	18.95	19.11	18.95	20.00
100	QPSK	135	138	18.90	19.07	18.95	20.00
100	QPSK	270	0	19.00	19.09	18.98	20.00
100	16QAM	1	1	18.96	19.12	18.97	20.00
100	64QAM	1	1	18.88	19.04	18.86	20.00
100	256QAM	1	1	18.89	19.02	18.89	20.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.15	19.18	19.06	20.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.14	19.11	19.09	20.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.09	19.05	19.11	20.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.04	19.14	19.08	20.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.14	19.16	19.10	20.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	19.01	19.08	19.06	20.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.06	19.09	19.03	20.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	19.04	19.16	19.08	20.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.03	19.12	19.11	20.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	19.13	19.15	19.04	20.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.12	19.13	19.00	20.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.08	19.13	19.10	20.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.13	19.17	19.05	20.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.50	22.55	22.51	23.20
100	PI/2 BPSK	1	137	22.47	22.43	22.44	23.20
100	PI/2 BPSK	1	271	22.51	22.49	22.29	23.20
100	PI/2 BPSK	135	0	22.40	22.44	22.38	23.20
100	PI/2 BPSK	135	69	22.28	22.46	22.44	23.20
100	PI/2 BPSK	135	138	22.33	22.42	22.31	23.20
100	PI/2 BPSK	270	0	22.38	22.32	22.35	23.20
100	QPSK	1	1	22.39	22.30	22.29	23.20
100	QPSK	1	137	22.47	22.30	22.42	23.20
100	QPSK	1	271	22.40	22.47	22.37	23.20
100	QPSK	135	0	22.35	22.34	22.48	23.20
100	QPSK	135	69	22.48	22.50	22.50	23.20
100	QPSK	135	138	22.45	22.40	22.40	23.20
100	QPSK	270	0	22.41	22.29	22.29	23.20
100	16QAM	1	1	22.28	22.46	22.29	23.20
100	64QAM	1	1	22.41	22.46	22.30	23.20
100	256QAM	1	1	21.62	21.63	21.51	22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.45	22.49	22.42	23.20
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.46	22.40	22.45	23.20
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.39	22.53	22.37	23.20
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.41	22.49	22.38	23.20
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.39	22.48	22.43	23.20
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.41	22.46	22.40	23.20
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.41	22.46	22.41	23.20
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	22.47	22.46	22.40	23.20
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.49	22.53	22.40	23.20
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.35	22.44	22.50	23.20
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.48	22.52	22.37	23.20
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.37	22.42	22.47	23.20
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.39	22.52	22.41	23.20



【FR1 n41__FCC_HPUE_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.63	15.69	15.61	16.70
100	PI/2 BPSK	1	137	15.47	15.38	15.45	16.70
100	PI/2 BPSK	1	271	15.39	15.59	15.43	16.70
100	PI/2 BPSK	135	0	15.57	15.42	15.56	16.70
100	PI/2 BPSK	135	69	15.60	15.65	15.50	16.70
100	PI/2 BPSK	135	138	15.40	15.58	15.41	16.70
100	PI/2 BPSK	270	0	15.53	15.61	15.47	16.70
100	QPSK	1	1	15.61	15.53	15.50	16.70
100	QPSK	1	137	15.38	15.53	15.42	16.70
100	QPSK	1	271	15.48	15.43	15.61	16.70
100	QPSK	135	0	15.41	15.57	15.43	16.70
100	QPSK	135	69	15.48	15.56	15.56	16.70
100	QPSK	135	138	15.51	15.43	15.58	16.70
100	QPSK	270	0	15.46	15.42	15.57	16.70
100	16QAM	1	1	15.54	15.49	15.46	16.70
100	64QAM	1	1	15.59	15.41	15.62	16.70
100	256QAM	1	1	15.56	15.45	15.39	16.70
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.61	15.62	15.49	16.70
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.52	15.60	15.47	16.70
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.60	15.61	15.56	16.70
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.50	15.57	15.51	16.70
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.57	15.66	15.49	16.70
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	15.60	15.55	15.51	16.70
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.62	15.59	15.55	16.70
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	15.60	15.61	15.59	16.70
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.59	15.62	15.60	16.70
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	15.60	15.59	15.54	16.70
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.57	15.65	15.47	16.70
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.62	15.64	15.51	16.70
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.58	15.65	15.50	16.70



【FR1 n41__FCC_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.52	23.73	23.61	24.00
100	PI/2 BPSK	1	137	23.26	23.55	23.38	24.00
100	PI/2 BPSK	1	271	23.31	23.63	23.37	24.00
100	PI/2 BPSK	135	0	23.27	23.55	23.36	24.00
100	PI/2 BPSK	135	69	23.35	23.62	23.37	24.00
100	PI/2 BPSK	135	138	23.22	23.57	23.42	24.00
100	PI/2 BPSK	270	0	23.30	23.59	23.43	24.00
100	QPSK	1	1	23.34	23.61	23.36	24.00
100	QPSK	1	137	23.34	23.62	23.47	24.00
100	QPSK	1	271	23.35	23.69	23.46	24.00
100	QPSK	135	0	23.28	23.63	23.47	24.00
100	QPSK	135	69	23.20	23.52	23.36	24.00
100	QPSK	135	138	23.22	23.55	23.40	24.00
100	QPSK	270	0	23.22	23.51	23.30	24.00
100	16QAM	1	1	23.26	23.61	23.38	24.00
100	64QAM	1	1	23.39	23.67	23.47	24.00
100	256QAM	1	1	23.31	23.64	23.39	24.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.45	23.60	23.48	24.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.46	23.62	23.50	24.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.42	23.70	23.58	24.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.48	23.69	23.57	24.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.39	23.69	23.59	24.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	23.38	23.64	23.59	24.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.49	23.71	23.47	24.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	23.42	23.62	23.55	24.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.42	23.69	23.52	24.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	23.44	23.65	23.58	24.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.48	23.67	23.48	24.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.40	23.70	23.57	24.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.41	23.60	23.51	24.00



【FR1 n41__FCC_HPUE_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.71	26.75	26.66	27.00
100	PI/2 BPSK	1	137	26.52	26.68	26.50	27.00
100	PI/2 BPSK	1	271	26.58	26.65	26.44	27.00
100	PI/2 BPSK	135	0	26.13	26.21	26.08	26.50
100	PI/2 BPSK	135	69	26.46	26.64	26.47	27.00
100	PI/2 BPSK	135	138	26.09	26.18	26.03	26.50
100	PI/2 BPSK	270	0	26.10	26.15	26.05	26.50
100	QPSK	1	1	26.58	26.63	26.47	27.00
100	QPSK	1	137	26.45	26.61	26.43	27.00
100	QPSK	1	271	26.51	26.58	26.37	27.00
100	QPSK	135	0	25.59	25.69	25.56	26.00
100	QPSK	135	69	26.49	26.55	26.43	27.00
100	QPSK	135	138	25.48	25.63	25.46	26.00
100	QPSK	270	0	25.48	25.61	25.50	26.00
100	16QAM	1	1	25.49	25.58	25.47	26.00
100	64QAM	1	1	24.04	24.18	24.05	24.50
100	256QAM	1	1	22.00	22.15	22.01	22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.58	26.68	26.59	27.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.57	26.68	26.57	27.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.58	26.64	26.60	27.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.68	26.68	26.61	27.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.58	26.71	26.63	27.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	26.61	26.66	26.61	27.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.58	26.69	26.55	27.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	26.68	26.64	26.54	27.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.56	26.63	26.57	27.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	26.59	26.71	26.54	27.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.65	26.62	26.58	27.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.59	26.67	26.54	27.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.62	26.68	26.62	27.00



【FR1 n41__FCC_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.52	23.73	23.61	24.00
100	PI/2 BPSK	1	137	23.26	23.55	23.38	24.00
100	PI/2 BPSK	1	271	23.31	23.63	23.37	24.00
100	PI/2 BPSK	135	0	23.27	23.55	23.36	24.00
100	PI/2 BPSK	135	69	23.35	23.62	23.37	24.00
100	PI/2 BPSK	135	138	23.22	23.57	23.42	24.00
100	PI/2 BPSK	270	0	23.30	23.59	23.43	24.00
100	QPSK	1	1	23.34	23.61	23.36	24.00
100	QPSK	1	137	23.34	23.62	23.47	24.00
100	QPSK	1	271	23.35	23.69	23.46	24.00
100	QPSK	135	0	23.28	23.63	23.47	24.00
100	QPSK	135	69	23.20	23.52	23.36	24.00
100	QPSK	135	138	23.22	23.55	23.40	24.00
100	QPSK	270	0	23.22	23.51	23.30	24.00
100	16QAM	1	1	23.26	23.61	23.38	24.00
100	64QAM	1	1	23.39	23.67	23.47	24.00
100	256QAM	1	1	23.31	23.64	23.39	24.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.45	23.60	23.48	24.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.46	23.62	23.50	24.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.42	23.70	23.58	24.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.48	23.69	23.57	24.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.39	23.69	23.59	24.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	23.38	23.64	23.59	24.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.49	23.71	23.47	24.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	23.42	23.62	23.55	24.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.42	23.69	23.52	24.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	23.44	23.65	23.58	24.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.48	23.67	23.48	24.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.40	23.70	23.57	24.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.41	23.60	23.51	24.00



【FR1 n41__FCC_Ant 8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.52	23.73	23.61	24.00
100	PI/2 BPSK	1	137	23.26	23.55	23.38	24.00
100	PI/2 BPSK	1	271	23.31	23.63	23.37	24.00
100	PI/2 BPSK	135	0	23.27	23.55	23.36	24.00
100	PI/2 BPSK	135	69	23.35	23.62	23.37	24.00
100	PI/2 BPSK	135	138	23.22	23.57	23.42	24.00
100	PI/2 BPSK	270	0	23.30	23.59	23.43	24.00
100	QPSK	1	1	23.34	23.61	23.36	24.00
100	QPSK	1	137	23.34	23.62	23.47	24.00
100	QPSK	1	271	23.35	23.69	23.46	24.00
100	QPSK	135	0	23.28	23.63	23.47	24.00
100	QPSK	135	69	23.20	23.52	23.36	24.00
100	QPSK	135	138	23.22	23.55	23.40	24.00
100	QPSK	270	0	23.22	23.51	23.30	24.00
100	16QAM	1	1	23.26	23.61	23.38	24.00
100	64QAM	1	1	23.39	23.67	23.47	24.00
100	256QAM	1	1	23.31	23.64	23.39	24.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.45	23.60	23.48	24.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.46	23.62	23.50	24.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.42	23.70	23.58	24.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.48	23.69	23.57	24.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.39	23.69	23.59	24.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	23.38	23.64	23.59	24.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.49	23.71	23.47	24.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	23.42	23.62	23.55	24.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.42	23.69	23.52	24.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	23.44	23.65	23.58	24.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.48	23.67	23.48	24.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.40	23.70	23.57	24.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.41	23.60	23.51	24.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.18	22.20	22.15	23.10
100	PI/2 BPSK	1	137	22.03	22.11	22.00	23.10
100	PI/2 BPSK	1	271	21.98	22.10	21.94	23.10
100	PI/2 BPSK	135	0	21.97	22.13	21.95	23.10
100	PI/2 BPSK	135	69	22.08	22.16	22.01	23.10
100	PI/2 BPSK	135	138	21.99	22.15	22.02	23.10
100	PI/2 BPSK	270	0	21.98	22.08	21.93	23.10
100	QPSK	1	1	21.91	22.01	21.85	23.10
100	QPSK	1	137	22.02	22.06	21.91	23.10
100	QPSK	1	271	22.05	22.09	22.01	23.10
100	QPSK	135	0	22.03	22.13	22.01	23.10
100	QPSK	135	69	21.91	22.04	21.90	23.10
100	QPSK	135	138	22.00	22.08	21.94	23.10
100	QPSK	270	0	21.98	22.06	21.98	23.10
100	16QAM	1	1	22.06	22.10	21.96	23.10
100	64QAM	1	1	22.02	22.11	21.96	23.10
100	256QAM	1	1	22.04	22.07	21.88	23.10
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.09	22.05	22.07	23.10
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.17	22.15	22.07	23.10
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.15	22.06	22.12	23.10
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.09	22.13	22.10	23.10
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.12	22.11	22.04	23.10
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.16	22.18	22.07	23.10
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.08	22.11	22.11	23.10
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	22.05	22.09	22.02	23.10
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.13	22.16	22.04	23.10
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.09	22.10	22.14	23.10
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.16	22.05	22.04	23.10
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.08	22.05	22.01	23.10
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.04	22.07	22.05	23.10



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.21	21.25	21.18	22.10
100	PI/2 BPSK	1	137	20.99	21.12	21.09	22.10
100	PI/2 BPSK	1	271	21.01	21.13	21.02	22.10
100	PI/2 BPSK	135	0	21.02	20.99	21.08	22.10
100	PI/2 BPSK	135	69	21.20	21.24	21.12	22.10
100	PI/2 BPSK	135	138	21.09	21.19	21.16	22.10
100	PI/2 BPSK	270	0	21.06	21.01	21.06	22.10
100	QPSK	1	1	21.02	21.10	21.12	22.10
100	QPSK	1	137	21.00	21.05	21.19	22.10
100	QPSK	1	271	21.14	21.02	21.18	22.10
100	QPSK	135	0	21.16	20.98	21.19	22.10
100	QPSK	135	69	21.03	21.16	21.18	22.10
100	QPSK	135	138	21.02	21.15	21.01	22.10
100	QPSK	270	0	21.19	21.08	21.09	22.10
100	16QAM	1	1	21.10	21.05	20.98	22.10
100	64QAM	1	1	21.06	21.09	21.14	22.10
100	256QAM	1	1	21.02	21.05	21.20	22.10
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.13	21.18	21.10	22.10
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.13	21.16	21.17	22.10
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.11	21.22	21.06	22.10
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.10	21.24	21.14	22.10
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.16	21.16	21.08	22.10
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	21.14	21.16	21.11	22.10
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.08	21.14	21.12	22.10
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	21.07	21.23	21.06	22.10
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.19	21.13	21.10	22.10
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	21.16	21.19	21.12	22.10
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.14	21.15	21.08	22.10
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.17	21.21	21.14	22.10
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.16	21.12	21.12	22.10



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.21	19.25	19.19	20.40
100	PI/2 BPSK	1	137	19.03	19.05	19.19	20.40
100	PI/2 BPSK	1	271	19.01	19.11	19.18	20.40
100	PI/2 BPSK	135	0	19.13	19.06	19.01	20.40
100	PI/2 BPSK	135	69	19.15	19.21	19.14	20.40
100	PI/2 BPSK	135	138	19.14	19.19	19.05	20.40
100	PI/2 BPSK	270	0	19.02	19.08	19.08	20.40
100	QPSK	1	1	19.22	19.08	19.13	20.40
100	QPSK	1	137	19.07	19.03	19.05	20.40
100	QPSK	1	271	19.18	19.08	19.17	20.40
100	QPSK	135	0	19.04	19.12	19.04	20.40
100	QPSK	135	69	19.10	19.10	19.07	20.40
100	QPSK	135	138	19.16	19.13	19.19	20.40
100	QPSK	270	0	19.04	19.04	19.01	20.40
100	16QAM	1	1	19.15	19.12	19.20	20.40
100	64QAM	1	1	19.21	19.08	19.00	20.40
100	256QAM	1	1	19.11	19.16	19.02	20.40
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.13	19.11	19.10	20.40
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.10	19.13	19.13	20.40
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.07	19.15	19.16	20.40
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.12	19.19	19.15	20.40
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.20	19.12	19.17	20.40
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	19.15	19.20	19.07	20.40
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.07	19.11	19.13	20.40
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	19.09	19.11	19.17	20.40
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.12	19.19	19.11	20.40
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	19.19	19.24	19.16	20.40
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.10	19.14	19.08	20.40
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.17	19.17	19.15	20.40
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.12	19.16	19.12	20.40



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.71	26.75	26.66	27.00
100	PI/2 BPSK	1	137	26.52	26.68	26.50	27.00
100	PI/2 BPSK	1	271	26.58	26.65	26.44	27.00
100	PI/2 BPSK	135	0	26.13	26.21	26.08	26.50
100	PI/2 BPSK	135	69	26.46	26.64	26.47	27.00
100	PI/2 BPSK	135	138	26.09	26.18	26.03	26.50
100	PI/2 BPSK	270	0	26.10	26.15	26.05	26.50
100	QPSK	1	1	26.58	26.63	26.47	27.00
100	QPSK	1	137	26.45	26.61	26.43	27.00
100	QPSK	1	271	26.51	26.58	26.37	27.00
100	QPSK	135	0	25.59	25.69	25.56	26.00
100	QPSK	135	69	26.49	26.55	26.43	27.00
100	QPSK	135	138	25.48	25.63	25.46	26.00
100	QPSK	270	0	25.48	25.61	25.50	26.00
100	16QAM	1	1	25.49	25.58	25.47	26.00
100	64QAM	1	1	24.04	24.18	24.05	24.50
100	256QAM	1	1	22.00	22.15	22.01	22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.58	26.68	26.59	27.00
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.57	26.68	26.57	27.00
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.58	26.64	26.60	27.00
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.68	26.68	26.61	27.00
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.58	26.71	26.63	27.00
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	26.61	26.66	26.61	27.00
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.58	26.69	26.55	27.00
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	26.68	26.64	26.54	27.00
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.56	26.63	26.57	27.00
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	26.59	26.71	26.54	27.00
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.65	26.62	26.58	27.00
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.59	26.67	26.54	27.00
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.62	26.68	26.62	27.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.92	26.35	26.02	27.00
100	PI/2 BPSK	1	137	25.87	25.92	25.94	27.00
100	PI/2 BPSK	1	271	25.72	25.83	26.00	27.00
100	PI/2 BPSK	135	0	25.75	25.86	25.88	27.00



100	PI/2 BPSK	135	69	25.81	25.87	25.99	27.00
100	PI/2 BPSK	135	138	25.87	26.04	25.96	27.00
100	PI/2 BPSK	270	0	25.71	26.03	25.86	27.00
100	QPSK	1	1	25.74	26.02	25.93	27.00
100	QPSK	1	137	25.89	25.92	25.91	27.00
100	QPSK	1	271	25.83	25.94	25.95	27.00
100	QPSK	135	0	26.25	26.34	26.25	26.50
100	QPSK	135	69	25.75	25.90	25.91	27.00
100	QPSK	135	138	26.31	26.31	26.16	26.50
100	QPSK	270	0	26.14	26.19	26.21	26.50
100	16QAM	1	1	25.61	25.78	25.66	26.00
100	64QAM	1	1	25.78	25.85	25.73	26.00
100	256QAM	1	1	23.76	23.80	23.70	24.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	PI/2 BPSK	1	1	25.94	26.03	25.88	27.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	PI/2 BPSK	1	1	25.71	25.95	25.90	27.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	PI/2 BPSK	1	1	25.94	26.05	25.91	27.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	PI/2 BPSK	1	1	25.74	25.96	25.88	27.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	PI/2 BPSK	1	1	25.72	25.85	26.01	27.00
Channel				503700	518598	533496	Tune-up limit
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)
45	PI/2 BPSK	1	1	25.93	25.87	25.94	27.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	PI/2 BPSK	1	1	25.78	25.87	25.89	27.00
Channel				502704	518598	534498	Tune-up limit
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)
35	PI/2 BPSK	1	1	25.77	26.03	26.04	27.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	PI/2 BPSK	1	1	25.85	26.02	25.98	27.00
Channel				501702	518598	535500	Tune-up limit
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)
25	PI/2 BPSK	1	1	25.76	25.95	25.87	27.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	PI/2 BPSK	1	1	25.76	25.99	25.91	27.00
Channel				500700	518598	536496	Tune-up limit
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)
15	PI/2 BPSK	1	1	25.89	25.89	26.03	27.00
Channel				500202	518598	537000	Tune-up limit
Frequency (MHz)				2501.01	2592.99	2685	(dBm)
10	PI/2 BPSK	1	1	25.82	26.05	25.84	27.00

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.16	25.20	25.14	26.10
100	PI/2 BPSK	1	137	25.00	25.16	25.06	26.10
100	PI/2 BPSK	1	271	25.03	25.11	24.98	26.10
100	PI/2 BPSK	135	0	24.96	25.13	24.96	26.10
100	PI/2 BPSK	135	69	25.01	25.18	25.10	26.10
100	PI/2 BPSK	135	138	25.10	25.16	25.06	26.10
100	PI/2 BPSK	270	0	24.99	25.11	24.95	26.10
100	QPSK	1	1	25.05	25.13	25.01	26.10
100	QPSK	1	137	24.95	25.09	24.98	26.10
100	QPSK	1	271	24.92	25.05	24.90	26.10
100	QPSK	135	0	25.00	25.08	24.89	26.10
100	QPSK	135	69	24.93	25.06	24.86	26.10
100	QPSK	135	138	25.07	25.12	24.94	26.10
100	QPSK	270	0	25.01	25.08	24.99	26.10
100	16QAM	1	1	24.89	25.04	24.90	26.00
100	64QAM	1	1	24.95	25.01	24.94	26.00



100	256QAM	1	1	23.02	23.09	23.02	24.00
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.06	25.17	25.05	26.10
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.09	25.07	25.07	26.10
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.06	25.06	25.04	26.10
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.04	25.13	25.12	26.10
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.04	25.09	25.00	26.10
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	25.06	25.06	25.01	26.10
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.15	25.13	25.00	26.10
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	25.06	25.17	25.10	26.10
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.05	25.07	25.07	26.10
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	25.07	25.13	25.08	26.10
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.09	25.11	25.09	26.10
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.01	25.18	25.03	26.10
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.02	25.07	25.06	26.10

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.85	23.88	23.81	25.10
100	PI/2 BPSK	1	137	23.75	23.81	23.67	25.10
100	PI/2 BPSK	1	271	23.80	23.81	23.59	25.10
100	PI/2 BPSK	135	0	23.69	23.65	23.61	25.10
100	PI/2 BPSK	135	69	23.74	23.85	23.79	25.10
100	PI/2 BPSK	135	138	23.65	23.72	23.63	25.10
100	PI/2 BPSK	270	0	23.68	23.72	23.79	25.10
100	QPSK	1	1	23.68	23.62	23.79	25.10
100	QPSK	1	137	23.79	23.78	23.70	25.10
100	QPSK	1	271	23.75	23.64	23.70	25.10
100	QPSK	135	0	23.60	23.72	23.80	25.10
100	QPSK	135	69	23.58	23.58	23.64	25.10
100	QPSK	135	138	23.65	23.77	23.60	25.10
100	QPSK	270	0	23.63	23.76	23.69	25.10
100	16QAM	1	1	23.62	23.78	23.74	25.10
100	64QAM	1	1	23.15	23.13	23.21	24.50
100	256QAM	1	1	21.05	21.09	21.15	22.50
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.84	23.83	23.75	25.10
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.83	23.87	23.80	25.10
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.71	23.76	23.70	25.10
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	



60	PI/2 BPSK	1	1	23.82	23.82	23.70	25.10
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.84	23.75	23.77	25.10
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	23.82	23.82	23.79	25.10
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.77	23.77	23.79	25.10
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	PI/2 BPSK	1	1	23.71	23.79	23.69	25.10
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.80	23.75	23.67	25.10
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	23.77	23.77	23.76	25.10
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.80	23.84	23.71	25.10
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.78	23.81	23.77	25.10
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.71	23.74	23.70	25.10

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.18	22.22	22.15	23.40
100	PI/2 BPSK	1	137	22.08	21.99	22.00	23.40
100	PI/2 BPSK	1	271	21.95	22.12	21.93	23.40
100	PI/2 BPSK	135	0	21.90	21.99	21.88	23.40
100	PI/2 BPSK	135	69	22.01	22.13	22.08	23.40
100	PI/2 BPSK	135	138	21.99	21.96	22.01	23.40
100	PI/2 BPSK	270	0	22.08	22.00	22.01	23.40
100	QPSK	1	1	21.90	22.09	22.08	23.40
100	QPSK	1	137	22.02	22.10	21.94	23.40
100	QPSK	1	271	22.08	22.01	21.91	23.40
100	QPSK	135	0	21.91	22.06	22.12	23.40
100	QPSK	135	69	21.96	21.92	21.97	23.40
100	QPSK	135	138	21.93	21.92	22.03	23.40
100	QPSK	270	0	22.12	21.93	22.06	23.40
100	16QAM	1	1	21.99	21.96	21.91	23.40
100	64QAM	1	1	22.00	22.02	21.93	23.40
100	256QAM	1	1	22.09	22.05	22.10	23.40
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.10	22.16	22.06	23.40
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.05	22.09	22.09	23.40
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.04	22.10	22.05	23.40
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.14	22.19	22.13	23.40
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.04	22.11	22.12	23.40
Channel				503700	518598	533496	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	PI/2 BPSK	1	1	22.04	22.16	22.11	23.40
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.15	22.10	22.05	23.40
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	



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35	PI/2 BPSK	1	1	22.06	22.13	22.02	23.40
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.14	22.11	22.07	23.40
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	PI/2 BPSK	1	1	22.07	22.17	22.03	23.40
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.10	22.12	22.00	23.40
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.14	22.21	22.07	23.40
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.07	22.13	22.05	23.40

【FR1 n66_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.82	23.86	23.78	24.00
45	PI/2 BPSK	1	120	23.67	23.81	23.66	24.00
45	PI/2 BPSK	1	240	23.70	23.83	23.67	24.00
45	PI/2 BPSK	120	0	23.62	23.80	23.63	24.00
45	PI/2 BPSK	120	60	23.73	23.84	23.71	24.00
45	PI/2 BPSK	120	120	23.65	23.78	23.61	24.00
45	PI/2 BPSK	240	0	23.61	23.75	23.53	24.00
45	QPSK	1	1	23.70	23.77	23.60	24.00
45	QPSK	1	120	23.74	23.79	23.59	24.00
45	QPSK	1	240	23.65	23.72	23.52	24.00
45	QPSK	120	0	23.67	23.74	23.63	24.00
45	QPSK	120	60	23.72	23.77	23.59	24.00
45	QPSK	120	120	23.61	23.73	23.60	24.00
45	QPSK	240	0	23.57	23.71	23.59	24.00
45	16QAM	1	1	23.58	23.68	23.50	24.00
45	64QAM	1	1	22.77	22.83	22.69	23.00
45	256QAM	1	1	20.72	20.85	20.66	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.70	23.75	23.67	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.68	23.72	23.72	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.79	23.84	23.72	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.71	23.80	23.66	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.70	23.76	23.77	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.73	23.74	23.76	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.78	23.79	23.71	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.76	23.72	23.74	24.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.23	18.40	18.16	19.50
45	PI/2 BPSK	1	120	18.14	18.21	18.22	19.50
45	PI/2 BPSK	1	240	18.18	18.24	18.27	19.50
45	PI/2 BPSK	120	0	18.20	18.19	18.19	19.50
45	PI/2 BPSK	120	60	18.34	18.35	18.17	19.50
45	PI/2 BPSK	120	120	18.27	18.14	18.17	19.50
45	PI/2 BPSK	240	0	18.35	18.29	18.14	19.50
45	QPSK	1	1	18.27	18.34	18.36	19.50
45	QPSK	1	120	18.14	18.36	18.18	19.50
45	QPSK	1	240	18.32	18.25	18.19	19.50
45	QPSK	120	0	18.24	18.26	18.16	19.50
45	QPSK	120	60	18.16	18.24	18.32	19.50
45	QPSK	120	120	18.25	18.24	18.37	19.50
45	QPSK	240	0	18.22	18.27	18.17	19.50
45	16QAM	1	1	18.25	18.19	18.16	19.50
45	64QAM	1	1	18.36	18.25	18.15	19.50
45	256QAM	1	1	18.23	18.20	18.19	19.50
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.10	18.27	18.05	19.50
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	18.09	18.33	18.06	19.50
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.21	18.38	18.15	19.50
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.13	18.27	18.04	19.50
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.20	18.32	18.04	19.50
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.22	18.28	18.02	19.50
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.11	18.30	18.02	19.50
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.16	18.35	18.14	19.50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.85	21.89	21.83	22.60
45	PI/2 BPSK	1	120	21.74	21.86	21.75	22.60
45	PI/2 BPSK	1	240	21.71	21.81	21.73	22.60
45	PI/2 BPSK	120	0	21.72	21.83	21.65	22.60
45	PI/2 BPSK	120	60	21.69	21.85	21.70	22.60
45	PI/2 BPSK	120	120	21.67	21.78	21.66	22.60
45	PI/2 BPSK	240	0	21.68	21.79	21.60	22.60
45	QPSK	1	1	21.68	21.76	21.59	22.60
45	QPSK	1	120	21.73	21.81	21.65	22.60
45	QPSK	1	240	21.74	21.84	21.64	22.60
45	QPSK	120	0	21.77	21.83	21.70	22.60
45	QPSK	120	60	21.67	21.77	21.59	22.60
45	QPSK	120	120	21.65	21.76	21.60	22.60
45	QPSK	240	0	21.66	21.73	21.56	22.60
45	16QAM	1	1	21.67	21.74	21.62	22.60
45	64QAM	1	1	21.67	21.79	21.69	22.60
45	256QAM	1	1	20.16	20.25	20.15	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	



FCC SAR Test Report

Report No. : FA572502

40	PI/2 BPSK	1	1	21.71	21.81	21.70	22.60
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.81	21.84	21.78	22.60
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.76	21.87	21.76	22.60
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.78	21.80	21.75	22.60
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.78	21.86	21.68	22.60
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.72	21.74	21.75	22.60
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.75	21.83	21.75	22.60
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.77	21.77	21.72	22.60

【FR1 n66_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.82	23.86	23.78	24.00
45	PI/2 BPSK	1	120	23.67	23.81	23.66	24.00
45	PI/2 BPSK	1	240	23.70	23.83	23.67	24.00
45	PI/2 BPSK	120	0	23.62	23.80	23.63	24.00
45	PI/2 BPSK	120	60	23.73	23.84	23.71	24.00
45	PI/2 BPSK	120	120	23.65	23.78	23.61	24.00
45	PI/2 BPSK	240	0	23.61	23.75	23.53	24.00
45	QPSK	1	1	23.70	23.77	23.60	24.00
45	QPSK	1	120	23.74	23.79	23.59	24.00
45	QPSK	1	240	23.65	23.72	23.52	24.00
45	QPSK	120	0	23.67	23.74	23.63	24.00
45	QPSK	120	60	23.72	23.77	23.59	24.00
45	QPSK	120	120	23.61	23.73	23.60	24.00
45	QPSK	240	0	23.57	23.71	23.59	24.00
45	16QAM	1	1	23.58	23.68	23.50	24.00
45	64QAM	1	1	22.77	22.83	22.69	23.00
45	256QAM	1	1	20.72	20.85	20.66	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.70	23.75	23.67	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.68	23.72	23.72	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.79	23.84	23.72	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.71	23.80	23.66	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.70	23.76	23.77	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.73	23.74	23.76	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.78	23.79	23.71	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.76	23.72	23.74	24.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	21.34	21.41	21.35	22.40
45	PI/2 BPSK	1	120	21.31	21.26	21.13	22.40
45	PI/2 BPSK	1	240	21.10	21.15	21.26	22.40
45	PI/2 BPSK	120	0	21.24	21.21	21.08	22.40
45	PI/2 BPSK	120	60	21.16	21.23	21.25	22.40
45	PI/2 BPSK	120	120	21.10	21.22	21.23	22.40
45	PI/2 BPSK	240	0	21.22	21.27	21.10	22.40
45	QPSK	1	1	21.24	21.29	21.11	22.40
45	QPSK	1	120	21.30	21.11	21.19	22.40
45	QPSK	1	240	21.16	21.24	21.14	22.40
45	QPSK	120	0	21.09	21.10	21.17	22.40
45	QPSK	120	60	21.29	21.25	21.19	22.40
45	QPSK	120	120	21.22	21.27	21.09	22.40
45	QPSK	240	0	21.18	21.24	21.26	22.40
45	16QAM	1	1	21.09	21.19	21.26	22.40
45	64QAM	1	1	21.30	21.31	21.09	22.40
45	256QAM	1	1	19.58	19.59	19.58	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.30	21.29	21.23	22.40
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.33	21.39	21.24	22.40
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.32	21.34	21.29	22.40
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.28	21.32	21.34	22.40
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.31	21.35	21.32	22.40
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.32	21.32	21.33	22.40
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.28	21.26	21.25	22.40
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.31	21.33	21.21	22.40

【FR1 n66_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.35	18.39	18.31	19.10
45	PI/2 BPSK	1	120	18.00	18.19	18.19	19.10
45	PI/2 BPSK	1	240	18.08	18.00	18.00	19.10
45	PI/2 BPSK	120	0	17.99	18.15	18.05	19.10
45	PI/2 BPSK	120	60	18.05	18.33	18.05	19.10
45	PI/2 BPSK	120	120	18.07	17.99	18.18	19.10
45	PI/2 BPSK	240	0	18.15	18.10	18.13	19.10
45	QPSK	1	1	18.16	18.08	18.19	19.10
45	QPSK	1	120	18.09	18.16	18.08	19.10
45	QPSK	1	240	18.09	18.16	18.08	19.10
45	QPSK	120	0	18.03	18.03	18.05	19.10
45	QPSK	120	60	18.20	18.14	17.99	19.10
45	QPSK	120	120	18.04	18.20	18.13	19.10
45	QPSK	240	0	17.99	18.18	18.10	19.10
45	16QAM	1	1	18.19	18.06	18.18	19.10
45	64QAM	1	1	18.17	18.05	18.08	19.10
45	256QAM	1	1	18.02	18.12	18.10	19.10
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.26	18.24	18.24	19.10



Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	18.21	18.36	18.21	19.10
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	18.25	18.33	18.27	19.10
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	18.30	18.27	18.21	19.10
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	18.20	18.30	18.23	19.10
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	18.30	18.31	18.20	19.10
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.27	18.31	18.18	19.10
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.24	18.25	18.20	19.10

【FR1 n66_Ant 8_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.43	23.45	23.38	24.00
45	PI/2 BPSK	1	120	23.25	23.32	23.15	24.00
45	PI/2 BPSK	1	240	23.15	23.29	23.19	24.00
45	PI/2 BPSK	120	0	23.21	23.27	23.06	24.00
45	PI/2 BPSK	120	60	23.14	23.29	23.08	24.00
45	PI/2 BPSK	120	120	23.11	23.16	22.95	24.00
45	PI/2 BPSK	240	0	23.20	23.26	23.15	24.00
45	QPSK	1	1	23.21	23.28	23.10	24.00
45	QPSK	1	120	23.08	23.22	23.02	24.00
45	QPSK	1	240	23.14	23.28	23.11	24.00
45	QPSK	120	0	23.22	23.29	23.13	24.00
45	QPSK	120	60	23.16	23.23	23.09	24.00
45	QPSK	120	120	23.09	23.18	23.01	24.00
45	QPSK	240	0	23.17	23.24	23.11	24.00
45	16QAM	1	1	23.17	23.29	23.20	24.00
45	64QAM	1	1	22.40	22.51	22.42	23.00
45	256QAM	1	1	20.23	20.37	20.26	21.00
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	(dBm)
40	PI/2 BPSK	1	1	23.36	23.44	23.27	24.00
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	23.38	23.31	23.28	24.00
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	23.29	23.37	23.35	24.00
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	23.36	23.31	23.26	24.00
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	23.41	23.35	23.24	24.00
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	23.39	23.41	23.30	24.00
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	23.32	23.35	23.27	24.00
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	23.34	23.42	23.29	24.00



【FR1 n66_Ant 8_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.43	23.45	23.38	24.00
45	PI/2 BPSK	1	120	23.25	23.32	23.15	24.00
45	PI/2 BPSK	1	240	23.15	23.29	23.19	24.00
45	PI/2 BPSK	120	0	23.21	23.27	23.06	24.00
45	PI/2 BPSK	120	60	23.14	23.29	23.08	24.00
45	PI/2 BPSK	120	120	23.11	23.16	22.95	24.00
45	PI/2 BPSK	240	0	23.20	23.26	23.15	24.00
45	QPSK	1	1	23.21	23.28	23.10	24.00
45	QPSK	1	120	23.08	23.22	23.02	24.00
45	QPSK	1	240	23.14	23.28	23.11	24.00
45	QPSK	120	0	23.22	23.29	23.13	24.00
45	QPSK	120	60	23.16	23.23	23.09	24.00
45	QPSK	120	120	23.09	23.18	23.01	24.00
45	QPSK	240	0	23.17	23.24	23.11	24.00
45	16QAM	1	1	23.17	23.29	23.20	24.00
45	64QAM	1	1	22.40	22.51	22.42	23.00
45	256QAM	1	1	20.23	20.37	20.26	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.36	23.44	23.27	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.38	23.31	23.28	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.29	23.37	23.35	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.36	23.31	23.26	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.41	23.35	23.24	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.39	23.41	23.30	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.32	23.35	23.27	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.34	23.42	23.29	24.00

【FR1 n66_Ant 8_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	20.95	20.98	20.93	21.80
45	PI/2 BPSK	1	120	20.74	20.91	20.74	21.80
45	PI/2 BPSK	1	240	20.80	20.93	20.76	21.80
45	PI/2 BPSK	120	0	20.72	20.89	20.74	21.80
45	PI/2 BPSK	120	60	20.90	20.95	20.79	21.80
45	PI/2 BPSK	120	120	20.87	20.93	20.76	21.80
45	PI/2 BPSK	240	0	20.81	20.94	20.79	21.80
45	QPSK	1	1	20.81	20.91	20.81	21.80
45	QPSK	1	120	20.72	20.87	20.78	21.80
45	QPSK	1	240	20.75	20.89	20.72	21.80
45	QPSK	120	0	20.75	20.85	20.73	21.80
45	QPSK	120	60	20.68	20.81	20.73	21.80
45	QPSK	120	120	20.79	20.83	20.76	21.80
45	QPSK	240	0	20.69	20.84	20.77	21.80
45	16QAM	1	1	20.69	20.82	20.71	21.80
45	64QAM	1	1	20.73	20.86	20.67	21.80
45	256QAM	1	1	19.99	20.12	19.93	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	



40	PI/2 BPSK	1	1	20.81	20.87	20.89	21.80
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	20.93	20.87	20.89	21.80
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	20.90	20.88	20.92	21.80
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	20.81	20.92	20.83	21.80
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.94	20.87	20.79	21.80
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	20.83	20.92	20.92	21.80
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	20.82	20.96	20.84	21.80
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	20.92	20.87	20.82	21.80

【FR1 n66_Ant 8_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	23.43	23.45	23.38	24.00
45	PI/2 BPSK	1	120	23.25	23.32	23.15	24.00
45	PI/2 BPSK	1	240	23.15	23.29	23.19	24.00
45	PI/2 BPSK	120	0	23.21	23.27	23.06	24.00
45	PI/2 BPSK	120	60	23.14	23.29	23.08	24.00
45	PI/2 BPSK	120	120	23.11	23.16	22.95	24.00
45	PI/2 BPSK	240	0	23.20	23.26	23.15	24.00
45	QPSK	1	1	23.21	23.28	23.10	24.00
45	QPSK	1	120	23.08	23.22	23.02	24.00
45	QPSK	1	240	23.14	23.28	23.11	24.00
45	QPSK	120	0	23.22	23.29	23.13	24.00
45	QPSK	120	60	23.16	23.23	23.09	24.00
45	QPSK	120	120	23.09	23.18	23.01	24.00
45	QPSK	240	0	23.17	23.24	23.11	24.00
45	16QAM	1	1	23.17	23.29	23.20	24.00
45	64QAM	1	1	22.40	22.51	22.42	23.00
45	256QAM	1	1	20.23	20.37	20.26	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.36	23.44	23.27	24.00
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	23.38	23.31	23.28	24.00
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.29	23.37	23.35	24.00
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.36	23.31	23.26	24.00
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.41	23.35	23.24	24.00
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.39	23.41	23.30	24.00
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.32	23.35	23.27	24.00
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.34	23.42	23.29	24.00

**【FR1 n66_Ant 8_DSI 6】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	22.45	22.52	22.49	23.60
45	PI/2 BPSK	1	120	22.41	22.30	22.44	23.60
45	PI/2 BPSK	1	240	22.35	22.24	22.46	23.60
45	PI/2 BPSK	120	0	22.40	22.26	22.37	23.60
45	PI/2 BPSK	120	60	22.24	22.43	22.37	23.60
45	PI/2 BPSK	120	120	22.27	22.38	22.36	23.60
45	PI/2 BPSK	240	0	22.33	22.27	22.31	23.60
45	QPSK	1	1	22.36	22.47	22.34	23.60
45	QPSK	1	120	22.28	22.28	22.35	23.60
45	QPSK	1	240	22.44	22.32	22.31	23.60
45	QPSK	120	0	22.26	22.45	22.28	23.60
45	QPSK	120	60	22.29	22.33	22.36	23.60
45	QPSK	120	120	22.27	22.41	22.42	23.60
45	QPSK	240	0	22.43	22.26	22.30	23.60
45	16QAM	1	1	22.28	22.36	22.31	23.60
45	64QAM	1	1	21.58	21.61	21.63	23.00
45	256QAM	1	1	19.63	19.61	19.65	21.00
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.36	22.40	22.34	23.60
Channel				345500	349000	352500	Tune-up limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI/2 BPSK	1	1	22.30	22.44	22.46	23.60
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.33	22.47	22.42	23.60
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.40	22.49	22.40	23.60
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.42	22.48	22.47	23.60
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.37	22.47	22.48	23.60
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.42	22.40	22.47	23.60
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.35	22.50	22.37	23.60

【FR1 n66_Ant 8_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI/2 BPSK	1	1	18.39	18.48	18.37	19.70
45	PI/2 BPSK	1	120	18.31	18.31	18.21	19.70
45	PI/2 BPSK	1	240	18.37	18.39	18.23	19.70
45	PI/2 BPSK	120	0	18.26	18.37	18.40	19.70
45	PI/2 BPSK	120	60	18.40	18.45	18.38	19.70
45	PI/2 BPSK	120	120	18.29	18.25	18.28	19.70
45	PI/2 BPSK	240	0	18.33	18.33	18.23	19.70
45	QPSK	1	1	18.36	18.28	18.21	19.70
45	QPSK	1	120	18.21	18.21	18.37	19.70
45	QPSK	1	240	18.30	18.36	18.27	19.70
45	QPSK	120	0	18.39	18.31	18.40	19.70
45	QPSK	120	60	18.31	18.29	18.40	19.70
45	QPSK	120	120	18.21	18.22	18.28	19.70
45	QPSK	240	0	18.32	18.23	18.32	19.70
45	16QAM	1	1	18.31	18.23	18.29	19.70
45	64QAM	1	1	18.34	18.34	18.33	19.70
45	256QAM	1	1	18.41	18.37	18.35	19.70
Channel				346000	349000	352000	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.31	18.45	18.34	19.70



Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	(dBm)
35	PI/2 BPSK	1	1	18.28	18.33	18.35	19.70
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	(dBm)
30	PI/2 BPSK	1	1	18.31	18.37	18.26	19.70
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	(dBm)
25	PI/2 BPSK	1	1	18.28	18.38	18.29	19.70
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	18.31	18.39	18.25	19.70
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	PI/2 BPSK	1	1	18.38	18.46	18.29	19.70
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	PI/2 BPSK	1	1	18.31	18.45	18.26	19.70
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	PI/2 BPSK	1	1	18.26	18.38	18.25	19.70

【FR1 n71_Ant 0_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.72		24.00
35	PI/2 BPSK	1	90		23.46		24.00
35	PI/2 BPSK	1	186		23.53		24.00
35	PI/2 BPSK	90	0		23.58		24.00
35	PI/2 BPSK	90	45		23.71		24.00
35	PI/2 BPSK	90	90		23.68		24.00
35	PI/2 BPSK	180	0		23.67		24.00
35	QPSK	1	1		23.42		24.00
35	QPSK	1	90		23.67		24.00
35	QPSK	1	186		23.58		24.00
35	QPSK	90	0		23.61		24.00
35	QPSK	90	45		23.68		24.00
35	QPSK	90	90		23.69		24.00
35	QPSK	180	0		23.65		24.00
35	16QAM	1	1		23.48		24.00
35	64QAM	1	1		22.61		23.00
35	256QAM	1	1		20.49		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.65	23.67	23.41	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.60	23.57	23.31	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.55	23.52	23.34	24.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.56	23.58	23.39	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.56	23.54	23.37	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.63	23.65	23.34	24.00



【FR1 n71_Ant 0_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.72		24.00
35	PI/2 BPSK	1	90		23.46		24.00
35	PI/2 BPSK	1	186		23.53		24.00
35	PI/2 BPSK	90	0		23.58		24.00
35	PI/2 BPSK	90	45		23.71		24.00
35	PI/2 BPSK	90	90		23.68		24.00
35	PI/2 BPSK	180	0		23.67		24.00
35	QPSK	1	1		23.42		24.00
35	QPSK	1	90		23.67		24.00
35	QPSK	1	186		23.58		24.00
35	QPSK	90	0		23.61		24.00
35	QPSK	90	45		23.68		24.00
35	QPSK	90	90		23.69		24.00
35	QPSK	180	0		23.65		24.00
35	16QAM	1	1		23.48		24.00
35	64QAM	1	1		22.61		23.00
35	256QAM	1	1		20.49		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.65	23.67	23.41	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.60	23.57	23.31	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.55	23.52	23.34	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.56	23.58	23.39	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.56	23.54	23.37	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.63	23.65	23.34	24.00

【FR1 n71_Ant 0_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.72		24.00
35	PI/2 BPSK	1	90		23.46		24.00
35	PI/2 BPSK	1	186		23.53		24.00
35	PI/2 BPSK	90	0		23.58		24.00
35	PI/2 BPSK	90	45		23.71		24.00
35	PI/2 BPSK	90	90		23.68		24.00
35	PI/2 BPSK	180	0		23.67		24.00
35	QPSK	1	1		23.42		24.00
35	QPSK	1	90		23.67		24.00
35	QPSK	1	186		23.58		24.00
35	QPSK	90	0		23.61		24.00
35	QPSK	90	45		23.68		24.00
35	QPSK	90	90		23.69		24.00
35	QPSK	180	0		23.65		24.00
35	16QAM	1	1		23.48		24.00
35	64QAM	1	1		22.61		23.00
35	256QAM	1	1		20.49		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.65	23.67	23.41	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.60	23.57	23.31	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	



20	PI/2 BPSK	1	1	23.55	23.52	23.34	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.56	23.58	23.39	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.56	23.54	23.37	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.63	23.65	23.34	24.00

【FR1 n71_Ant 0_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.72		24.00
35	PI/2 BPSK	1	90		23.46		24.00
35	PI/2 BPSK	1	186		23.53		24.00
35	PI/2 BPSK	90	0		23.58		24.00
35	PI/2 BPSK	90	45		23.71		24.00
35	PI/2 BPSK	90	90		23.68		24.00
35	PI/2 BPSK	180	0		23.67		24.00
35	QPSK	1	1		23.42		24.00
35	QPSK	1	90		23.67		24.00
35	QPSK	1	186		23.58		24.00
35	QPSK	90	0		23.61		24.00
35	QPSK	90	45		23.68		24.00
35	QPSK	90	90		23.69		24.00
35	QPSK	180	0		23.65		24.00
35	16QAM	1	1		23.48		24.00
35	64QAM	1	1		22.61		23.00
35	256QAM	1	1		20.49		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.65	23.67	23.41	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.60	23.57	23.31	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.55	23.52	23.34	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.56	23.58	23.39	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.56	23.54	23.37	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.63	23.65	23.34	24.00

**【FR1 n71_Ant 0_DSI 6】**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.72		24.00
35	PI/2 BPSK	1	90		23.46		24.00
35	PI/2 BPSK	1	186		23.53		24.00
35	PI/2 BPSK	90	0		23.58		24.00
35	PI/2 BPSK	90	45		23.71		24.00
35	PI/2 BPSK	90	90		23.68		24.00
35	PI/2 BPSK	180	0		23.67		24.00
35	QPSK	1	1		23.42		24.00
35	QPSK	1	90		23.67		24.00
35	QPSK	1	186		23.58		24.00
35	QPSK	90	0		23.61		24.00
35	QPSK	90	45		23.68		24.00
35	QPSK	90	90		23.69		24.00
35	QPSK	180	0		23.65		24.00
35	16QAM	1	1		23.48		24.00
35	64QAM	1	1		22.61		23.00
35	256QAM	1	1		20.49		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.65	23.67	23.41	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.60	23.57	23.31	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.55	23.52	23.34	24.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.56	23.58	23.39	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.56	23.54	23.37	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.63	23.65	23.34	24.00

【FR1 n71_Ant 0_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.72		24.00
35	PI/2 BPSK	1	90		23.46		24.00
35	PI/2 BPSK	1	186		23.53		24.00
35	PI/2 BPSK	90	0		23.58		24.00
35	PI/2 BPSK	90	45		23.71		24.00
35	PI/2 BPSK	90	90		23.68		24.00
35	PI/2 BPSK	180	0		23.67		24.00
35	QPSK	1	1		23.42		24.00
35	QPSK	1	90		23.67		24.00
35	QPSK	1	186		23.58		24.00
35	QPSK	90	0		23.61		24.00
35	QPSK	90	45		23.68		24.00
35	QPSK	90	90		23.69		24.00
35	QPSK	180	0		23.65		24.00
35	16QAM	1	1		23.48		24.00
35	64QAM	1	1		22.61		23.00
35	256QAM	1	1		20.49		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.65	23.67	23.41	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.60	23.57	23.31	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)

20	PI/2 BPSK	1	1	23.55	23.52	23.34	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.56	23.58	23.39	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.56	23.54	23.37	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.63	23.65	23.34	24.00

【FR1 n71_Ant 1_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		Tune-up limit (dBm)
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.23		24.00
35	PI/2 BPSK	1	90		23.18		24.00
35	PI/2 BPSK	1	186		23.02		24.00
35	PI/2 BPSK	90	0		23.13		24.00
35	PI/2 BPSK	90	45		23.21		24.00
35	PI/2 BPSK	90	90		23.06		24.00
35	PI/2 BPSK	180	0		23.15		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.09		24.00
35	QPSK	1	186		23.02		24.00
35	QPSK	90	0		23.12		24.00
35	QPSK	90	45		23.22		24.00
35	QPSK	90	90		23.07		24.00
35	QPSK	180	0		23.18		24.00
35	16QAM	1	1		23.19		24.00
35	64QAM	1	1		22.42		23.00
35	256QAM	1	1		20.23		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.14	23.15	23.01	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.09	23.10	22.89	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.03	23.02	22.97	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.08	23.06	22.90	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.02	23.12	22.93	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.06	23.01	22.96	24.00

【FR1 n71_Ant 1_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		Tune-up limit (dBm)
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.23		24.00
35	PI/2 BPSK	1	90		23.18		24.00
35	PI/2 BPSK	1	186		23.02		24.00
35	PI/2 BPSK	90	0		23.13		24.00
35	PI/2 BPSK	90	45		23.21		24.00
35	PI/2 BPSK	90	90		23.06		24.00
35	PI/2 BPSK	180	0		23.15		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.09		24.00
35	QPSK	1	186		23.02		24.00
35	QPSK	90	0		23.12		24.00
35	QPSK	90	45		23.22		24.00



35	QPSK	90	90		23.07		24.00
35	QPSK	180	0		23.18		24.00
35	16QAM	1	1		23.19		24.00
35	64QAM	1	1		22.42		23.00
35	256QAM	1	1		20.23		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.14	23.15	23.01	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.09	23.10	22.89	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.03	23.02	22.97	24.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.08	23.06	22.90	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.02	23.12	22.93	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.06	23.01	22.96	24.00

【FR1 n71_Ant 1_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.23		24.00
35	PI/2 BPSK	1	90		23.18		24.00
35	PI/2 BPSK	1	186		23.02		24.00
35	PI/2 BPSK	90	0		23.13		24.00
35	PI/2 BPSK	90	45		23.21		24.00
35	PI/2 BPSK	90	90		23.06		24.00
35	PI/2 BPSK	180	0		23.15		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.09		24.00
35	QPSK	1	186		23.02		24.00
35	QPSK	90	0		23.12		24.00
35	QPSK	90	45		23.22		24.00
35	QPSK	90	90		23.07		24.00
35	QPSK	180	0		23.18		24.00
35	16QAM	1	1		23.19		24.00
35	64QAM	1	1		22.42		23.00
35	256QAM	1	1		20.23		21.00
Channel				135600	136100	136600	Tune-up limit
Frequency (MHz)				678	680.5	683	(dBm)
30	PI/2 BPSK	1	1	23.14	23.15	23.01	24.00
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				675.5	680.5	685.5	(dBm)
25	PI/2 BPSK	1	1	23.09	23.10	22.89	24.00
Channel				134600	136100	137600	Tune-up limit
Frequency (MHz)				673	680.5	688	(dBm)
20	PI/2 BPSK	1	1	23.03	23.02	22.97	24.00
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	(dBm)
15	PI/2 BPSK	1	1	23.08	23.06	22.90	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	(dBm)
10	PI/2 BPSK	1	1	23.02	23.12	22.93	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	(dBm)
5	PI/2 BPSK	1	1	23.06	23.01	22.96	24.00

【FR1 n71_Ant 1_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.23		24.00
35	PI/2 BPSK	1	90		23.18		24.00
35	PI/2 BPSK	1	186		23.02		24.00
35	PI/2 BPSK	90	0		23.13		24.00
35	PI/2 BPSK	90	45		23.21		24.00
35	PI/2 BPSK	90	90		23.06		24.00
35	PI/2 BPSK	180	0		23.15		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.09		24.00
35	QPSK	1	186		23.02		24.00
35	QPSK	90	0		23.12		24.00
35	QPSK	90	45		23.22		24.00
35	QPSK	90	90		23.07		24.00
35	QPSK	180	0		23.18		24.00
35	16QAM	1	1		23.19		24.00
35	64QAM	1	1		22.42		23.00
35	256QAM	1	1		20.23		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.14	23.15	23.01	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.09	23.10	22.89	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.03	23.02	22.97	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.08	23.06	22.90	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.02	23.12	22.93	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.06	23.01	22.96	24.00

【FR1 n71_Ant 1_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		23.23		24.00
35	PI/2 BPSK	1	90		23.18		24.00
35	PI/2 BPSK	1	186		23.02		24.00
35	PI/2 BPSK	90	0		23.13		24.00
35	PI/2 BPSK	90	45		23.21		24.00
35	PI/2 BPSK	90	90		23.06		24.00
35	PI/2 BPSK	180	0		23.15		24.00
35	QPSK	1	1		23.19		24.00
35	QPSK	1	90		23.09		24.00
35	QPSK	1	186		23.02		24.00
35	QPSK	90	0		23.12		24.00
35	QPSK	90	45		23.22		24.00
35	QPSK	90	90		23.07		24.00
35	QPSK	180	0		23.18		24.00
35	16QAM	1	1		23.19		24.00
35	64QAM	1	1		22.42		23.00
35	256QAM	1	1		20.23		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	23.14	23.15	23.01	24.00
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	23.09	23.10	22.89	24.00
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	



20	PI/2 BPSK	1	1	23.03	23.02	22.97	24.00
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.08	23.06	22.90	24.00
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.02	23.12	22.93	24.00
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.06	23.01	22.96	24.00

【FR1 n71_Ant 1_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					136100		
Frequency (MHz)					680.5		
35	PI/2 BPSK	1	1		21.78		22.90
35	PI/2 BPSK	1	90		21.56		22.90
35	PI/2 BPSK	1	186		21.73		22.90
35	PI/2 BPSK	90	0		21.71		22.90
35	PI/2 BPSK	90	45		21.77		22.90
35	PI/2 BPSK	90	90		21.60		22.90
35	PI/2 BPSK	180	0		21.56		22.90
35	QPSK	1	1		21.69		22.90
35	QPSK	1	90		21.58		22.90
35	QPSK	1	186		21.62		22.90
35	QPSK	90	0		21.60		22.90
35	QPSK	90	45		21.74		22.90
35	QPSK	90	90		21.53		22.90
35	QPSK	180	0		21.71		22.90
35	16QAM	1	1		21.57		22.90
35	64QAM	1	1		21.58		22.90
35	256QAM	1	1		19.53		21.00
Channel				135600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				678	680.5	683	
30	PI/2 BPSK	1	1	21.75	21.65	21.61	22.90
Channel				135100	136100	137100	Tune-up limit (dBm)
Frequency (MHz)				675.5	680.5	685.5	
25	PI/2 BPSK	1	1	21.62	21.54	21.59	22.90
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	21.60	21.57	21.54	22.90
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	21.61	21.63	21.59	22.90
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	21.70	21.52	21.49	22.90
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	21.65	21.52	21.52	22.90



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 4_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.68	22.75	22.66	24.00
100	PI/2 BPSK	1	137	22.50	22.71	22.58	24.00
100	PI/2 BPSK	1	271	22.43	22.63	22.50	24.00
100	PI/2 BPSK	135	0	22.50	22.69	22.56	24.00
100	PI/2 BPSK	135	69	22.52	22.73	22.57	24.00
100	PI/2 BPSK	135	138	22.51	22.66	22.45	24.00
100	PI/2 BPSK	270	0	22.50	22.61	22.48	24.00
100	QPSK	1	1	22.43	22.63	22.42	24.00
100	QPSK	1	137	22.33	22.54	22.31	24.00
100	QPSK	1	271	22.48	22.68	22.56	24.00
100	QPSK	135	0	22.36	22.55	22.41	24.00
100	QPSK	135	69	22.48	22.59	22.42	24.00
100	QPSK	135	138	22.45	22.63	22.50	24.00
100	QPSK	270	0	22.56	22.66	22.43	24.00
100	16QAM	1	1	22.40	22.61	22.39	24.00
100	64QAM	1	1	22.40	22.58	22.36	24.00
100	256QAM	1	1	21.67	21.77	21.60	23.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.62	22.72	22.57	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.55	22.62	22.63	24.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.66	22.65	22.61	24.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.60	22.72	22.61	24.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.63	22.68	22.57	24.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.66	22.68	22.54	24.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	22.56	22.68	22.61	24.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	22.61	22.60	22.52	24.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.54	22.63	22.62	24.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.59	22.60	22.55	24.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.64	22.74	22.55	24.00

【FR1 n77 (270)___FCC_Part 270

(3700~3980MHz)_HPUE_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.73	25.79	25.70	27.00
100	PI/2 BPSK	1	137	25.56	25.76	25.60	27.00
100	PI/2 BPSK	1	271	25.53	25.73	25.57	27.00
100	PI/2 BPSK	135	0	25.14	25.25	25.10	26.50
100	PI/2 BPSK	135	69	25.57	25.71	25.55	27.00
100	PI/2 BPSK	135	138	25.14	25.21	24.98	26.50
100	PI/2 BPSK	270	0	25.00	25.19	24.97	26.50



100	QPSK	1	1	25.56	25.70	25.54	27.00
100	QPSK	1	137	25.50	25.66	25.49	27.00
100	QPSK	1	271	25.52	25.65	25.42	27.00
100	QPSK	135	0	24.66	24.73	24.61	26.00
100	QPSK	135	69	25.61	25.69	25.54	27.00
100	QPSK	135	138	24.61	24.72	24.58	26.00
100	QPSK	270	0	24.60	24.69	24.53	26.00
100	16QAM	1	1	24.55	24.66	24.53	26.00
100	64QAM	1	1	23.12	23.28	23.15	24.50
100	256QAM	1	1	21.18	21.30	21.08	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.67	25.68	25.67	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.70	25.69	25.66	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.66	25.67	25.69	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.59	25.65	25.68	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.67	25.69	25.61	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.67	25.75	25.68	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	25.70	25.72	25.68	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	25.61	25.77	25.61	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.63	25.73	25.64	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.65	25.72	25.56	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.68	25.73	25.61	27.00

【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 4_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.68	22.75	22.66	24.00
100	PI/2 BPSK	1	137	22.50	22.71	22.58	24.00
100	PI/2 BPSK	1	271	22.43	22.63	22.50	24.00
100	PI/2 BPSK	135	0	22.50	22.69	22.56	24.00
100	PI/2 BPSK	135	69	22.52	22.73	22.57	24.00
100	PI/2 BPSK	135	138	22.51	22.66	22.45	24.00
100	PI/2 BPSK	270	0	22.50	22.61	22.48	24.00
100	QPSK	1	1	22.43	22.63	22.42	24.00
100	QPSK	1	137	22.33	22.54	22.31	24.00
100	QPSK	1	271	22.48	22.68	22.56	24.00
100	QPSK	135	0	22.36	22.55	22.41	24.00
100	QPSK	135	69	22.48	22.59	22.42	24.00
100	QPSK	135	138	22.45	22.63	22.50	24.00
100	QPSK	270	0	22.56	22.66	22.43	24.00
100	16QAM	1	1	22.40	22.61	22.39	24.00
100	64QAM	1	1	22.40	22.58	22.36	24.00
100	256QAM	1	1	21.67	21.77	21.60	23.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.62	22.72	22.57	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.55	22.62	22.63	24.00



Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	22.66	22.65	22.61	24.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	22.60	22.72	22.61	24.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	22.63	22.68	22.57	24.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	22.66	22.68	22.54	24.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	22.56	22.68	22.61	24.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	22.61	22.60	22.52	24.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	22.54	22.63	22.62	24.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	22.59	22.60	22.55	24.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	22.64	22.74	22.55	24.00

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 4_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.08	13.28	13.06	14.50
100	PI/2 BPSK	1	137	13.22	13.03	13.14	14.50
100	PI/2 BPSK	1	271	13.04	13.13	13.19	14.50
100	PI/2 BPSK	135	0	13.15	13.03	13.07	14.50
100	PI/2 BPSK	135	69	13.26	13.27	13.21	14.50
100	PI/2 BPSK	135	138	13.14	13.14	13.20	14.50
100	PI/2 BPSK	270	0	13.14	13.16	13.10	14.50
100	QPSK	1	1	13.13	13.12	13.14	14.50
100	QPSK	1	137	13.21	13.11	13.14	14.50
100	QPSK	1	271	13.08	13.22	13.16	14.50
100	QPSK	135	0	13.19	13.05	13.08	14.50
100	QPSK	135	69	13.12	13.24	13.18	14.50
100	QPSK	135	138	13.04	13.16	13.11	14.50
100	QPSK	270	0	13.10	13.07	13.04	14.50
100	16QAM	1	1	13.13	13.15	13.26	14.50
100	64QAM	1	1	13.26	13.03	13.11	14.50
100	256QAM	1	1	13.22	13.08	13.07	14.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	13.01	13.18	13.00	14.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	13.06	13.15	12.96	14.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	12.94	13.13	12.92	14.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	12.96	13.19	13.01	14.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	12.95	13.16	12.93	14.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	13.02	13.22	12.94	14.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	13.05	13.18	13.02	14.50
Channel				647500	656000	664500	Tune-up limit



Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	13.05	13.15	12.97	14.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	13.03	13.27	12.98	14.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	12.99	13.18	12.93	14.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	13.02	13.19	12.95	14.50

【FR1 n77 (270)_FCC_Part 270 (3700~3980MHz)_Ant 4_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.75	17.79	17.76	18.80
100	PI/2 BPSK	1	137	17.54	17.71	17.58	18.80
100	PI/2 BPSK	1	271	17.58	17.75	17.64	18.80
100	PI/2 BPSK	135	0	17.68	17.76	17.71	18.80
100	PI/2 BPSK	135	69	17.60	17.72	17.64	18.80
100	PI/2 BPSK	135	138	17.58	17.69	17.57	18.80
100	PI/2 BPSK	270	0	17.50	17.66	17.54	18.80
100	QPSK	1	1	17.47	17.61	17.52	18.80
100	QPSK	1	137	17.51	17.63	17.55	18.80
100	QPSK	1	271	17.52	17.65	17.60	18.80
100	QPSK	135	0	17.56	17.68	17.56	18.80
100	QPSK	135	69	17.44	17.62	17.45	18.80
100	QPSK	135	138	17.56	17.65	17.55	18.80
100	QPSK	270	0	17.57	17.69	17.60	18.80
100	16QAM	1	1	17.57	17.71	17.59	18.80
100	64QAM	1	1	17.58	17.68	17.57	18.80
100	256QAM	1	1	17.52	17.63	17.52	18.80
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	17.70	17.65	17.66	18.80
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	17.66	17.78	17.66	18.80
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	17.74	17.75	17.67	18.80
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	17.63	17.67	17.74	18.80
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	17.67	17.70	17.71	18.80
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	17.61	17.68	17.74	18.80
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	17.66	17.70	17.70	18.80
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	17.63	17.67	17.66	18.80
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	17.69	17.75	17.69	18.80
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	17.61	17.70	17.71	18.80
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	17.67	17.69	17.71	18.80



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 4_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.25	20.28	20.21	21.40
100	PI/2 BPSK	1	137	20.13	20.15	20.16	21.40
100	PI/2 BPSK	1	271	20.26	20.16	20.10	21.40
100	PI/2 BPSK	135	0	20.17	20.06	20.04	21.40
100	PI/2 BPSK	135	69	20.24	20.23	20.18	21.40
100	PI/2 BPSK	135	138	20.11	20.09	20.06	21.40
100	PI/2 BPSK	270	0	20.05	20.17	20.10	21.40
100	QPSK	1	1	20.20	20.22	20.21	21.40
100	QPSK	1	137	20.10	20.07	20.18	21.40
100	QPSK	1	271	20.22	20.11	20.04	21.40
100	QPSK	135	0	20.08	20.11	20.23	21.40
100	QPSK	135	69	20.22	20.21	20.23	21.40
100	QPSK	135	138	20.10	20.05	20.22	21.40
100	QPSK	270	0	20.23	20.21	20.09	21.40
100	16QAM	1	1	20.26	20.15	20.08	21.40
100	64QAM	1	1	20.25	20.26	20.09	21.40
100	256QAM	1	1	20.20	20.08	20.23	21.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.23	20.26	20.07	21.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.21	20.27	20.16	21.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.22	20.25	20.08	21.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.19	20.23	20.14	21.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.13	20.14	20.12	21.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.22	20.26	20.07	21.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.17	20.26	20.17	21.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.21	20.13	20.17	21.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.13	20.24	20.08	21.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.16	20.24	20.13	21.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.15	20.19	20.10	21.40

【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 4_DSI

7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.23	15.28	15.21	16.10
100	PI/2 BPSK	1	137	15.18	15.09	15.13	16.10
100	PI/2 BPSK	1	271	15.11	15.10	15.11	16.10
100	PI/2 BPSK	135	0	15.00	15.06	15.10	16.10
100	PI/2 BPSK	135	69	15.16	15.23	15.21	16.10
100	PI/2 BPSK	135	138	15.13	15.17	15.17	16.10
100	PI/2 BPSK	270	0	15.08	15.09	15.21	16.10



100	QPSK	1	1	14.99	14.99	15.19	16.10
100	QPSK	1	137	15.05	15.06	15.17	16.10
100	QPSK	1	271	15.03	15.09	15.13	16.10
100	QPSK	135	0	15.00	14.99	15.17	16.10
100	QPSK	135	69	15.18	15.06	15.08	16.10
100	QPSK	135	138	15.13	15.16	15.14	16.10
100	QPSK	270	0	15.09	15.08	15.15	16.10
100	16QAM	1	1	15.00	15.14	15.08	16.10
100	64QAM	1	1	15.07	15.17	15.09	16.10
100	256QAM	1	1	15.19	15.05	15.07	16.10
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	15.14	15.23	15.17	16.10
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	15.18	15.13	15.09	16.10
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	15.10	15.14	15.15	16.10
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	15.20	15.20	15.18	16.10
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	15.17	15.13	15.18	16.10
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	15.22	15.20	15.09	16.10
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	15.16	15.20	15.12	16.10
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	15.21	15.26	15.17	16.10
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	15.20	15.19	15.07	16.10
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	15.21	15.23	15.10	16.10
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	15.10	15.21	15.13	16.10

【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.73	25.79	25.70	27.00
100	PI/2 BPSK	1	137	25.56	25.76	25.60	27.00
100	PI/2 BPSK	1	271	25.53	25.73	25.57	27.00
100	PI/2 BPSK	135	0	25.14	25.25	25.10	26.50
100	PI/2 BPSK	135	69	25.57	25.71	25.55	27.00
100	PI/2 BPSK	135	138	25.14	25.21	24.98	26.50
100	PI/2 BPSK	270	0	25.00	25.19	24.97	26.50
100	QPSK	1	1	25.56	25.70	25.54	27.00
100	QPSK	1	137	25.50	25.66	25.49	27.00
100	QPSK	1	271	25.52	25.65	25.42	27.00
100	QPSK	135	0	24.66	24.73	24.61	26.00
100	QPSK	135	69	25.61	25.69	25.54	27.00
100	QPSK	135	138	24.61	24.72	24.58	26.00
100	QPSK	270	0	24.60	24.69	24.53	26.00
100	16QAM	1	1	24.55	24.66	24.53	26.00
100	64QAM	1	1	23.12	23.28	23.15	24.50
100	256QAM	1	1	21.18	21.30	21.08	22.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	25.67	25.68	25.67	27.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	25.70	25.69	25.66	27.00



Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	25.66	25.67	25.69	27.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	25.59	25.65	25.68	27.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	25.67	25.69	25.61	27.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	25.67	25.75	25.68	27.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	25.70	25.72	25.68	27.00
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	25.61	25.77	25.61	27.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	25.63	25.73	25.64	27.00
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	25.65	25.72	25.56	27.00
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	25.68	25.73	25.61	27.00

【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.18	16.30	16.13	17.50
100	PI/2 BPSK	1	137	16.22	16.11	16.18	17.50
100	PI/2 BPSK	1	271	16.27	16.17	16.22	17.50
100	PI/2 BPSK	135	0	16.03	16.04	16.17	17.50
100	PI/2 BPSK	135	69	16.05	16.25	16.23	17.50
100	PI/2 BPSK	135	138	16.16	16.18	16.16	17.50
100	PI/2 BPSK	270	0	16.07	16.24	16.18	17.50
100	QPSK	1	1	16.20	16.07	16.23	17.50
100	QPSK	1	137	16.11	16.16	16.22	17.50
100	QPSK	1	271	16.16	16.19	16.27	17.50
100	QPSK	135	0	16.08	16.11	16.03	17.50
100	QPSK	135	69	16.06	16.07	16.15	17.50
100	QPSK	135	138	16.09	16.21	16.11	17.50
100	QPSK	270	0	16.11	16.18	16.05	17.50
100	16QAM	1	1	16.12	16.20	16.24	17.50
100	64QAM	1	1	16.12	16.23	16.25	17.50
100	256QAM	1	1	16.13	16.21	16.03	17.50
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	16.11	16.27	15.99	17.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	16.05	16.25	16.07	17.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	16.12	16.18	15.99	17.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	16.14	16.29	16.05	17.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	16.04	16.16	16.01	17.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	16.06	16.24	16.05	17.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	16.11	16.24	16.02	17.50
Channel				647500	656000	664500	Tune-up limit



FCC SAR Test Report

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Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	16.06	16.15	16.06	17.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	16.12	16.17	15.98	17.50
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	16.04	16.19	16.00	17.50
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	16.06	16.20	16.07	17.50

【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.75	20.81	20.73	21.80
100	PI/2 BPSK	1	137	20.68	20.78	20.64	21.80
100	PI/2 BPSK	1	271	20.65	20.75	20.53	21.80
100	PI/2 BPSK	135	0	20.60	20.73	20.63	21.80
100	PI/2 BPSK	135	69	20.67	20.77	20.62	21.80
100	PI/2 BPSK	135	138	20.64	20.72	20.51	21.80
100	PI/2 BPSK	270	0	20.59	20.71	20.56	21.80
100	QPSK	1	1	20.54	20.74	20.58	21.80
100	QPSK	1	137	20.56	20.68	20.50	21.80
100	QPSK	1	271	20.56	20.66	20.44	21.80
100	QPSK	135	0	20.62	20.69	20.52	21.80
100	QPSK	135	69	20.49	20.65	20.47	21.80
100	QPSK	135	138	20.46	20.61	20.38	21.80
100	QPSK	270	0	20.52	20.63	20.45	21.80
100	16QAM	1	1	20.46	20.64	20.51	21.80
100	64QAM	1	1	20.58	20.68	20.59	21.80
100	256QAM	1	1	20.46	20.65	20.51	21.80
Channel				649668	656000	662332	Tune-up limit
Frequency (MHz)				3745.02	3840	3934.98	(dBm)
90	PI/2 BPSK	1	1	20.61	20.78	20.69	21.80
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	(dBm)
80	PI/2 BPSK	1	1	20.64	20.79	20.66	21.80
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	(dBm)
70	PI/2 BPSK	1	1	20.72	20.78	20.69	21.80
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	(dBm)
60	PI/2 BPSK	1	1	20.71	20.75	20.72	21.80
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	(dBm)
50	PI/2 BPSK	1	1	20.64	20.71	20.65	21.80
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	(dBm)
40	PI/2 BPSK	1	1	20.68	20.67	20.71	21.80
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	(dBm)
30	PI/2 BPSK	1	1	20.68	20.76	20.68	21.80
Channel				647500	656000	664500	Tune-up limit
Frequency (MHz)				3712.5	3840	3967.5	(dBm)
25	PI/2 BPSK	1	1	20.61	20.71	20.71	21.80
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	(dBm)
20	PI/2 BPSK	1	1	20.72	20.66	20.66	21.80
Channel				647168	656000	664832	Tune-up limit
Frequency (MHz)				3707.52	3840	3972.48	(dBm)
15	PI/2 BPSK	1	1	20.68	20.72	20.68	21.80
Channel				647000	656000	665000	Tune-up limit
Frequency (MHz)				3705	3840	3975	(dBm)
10	PI/2 BPSK	1	1	20.66	20.75	20.68	21.80



【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.21	23.33	23.25	24.40
100	PI/2 BPSK	1	137	23.21	23.10	23.19	24.40
100	PI/2 BPSK	1	271	23.08	23.27	23.10	24.40
100	PI/2 BPSK	135	0	23.23	23.19	23.13	24.40
100	PI/2 BPSK	135	69	23.16	23.25	23.22	24.40
100	PI/2 BPSK	135	138	23.10	23.31	23.21	24.40
100	PI/2 BPSK	270	0	23.11	23.09	23.28	24.40
100	QPSK	1	1	23.14	23.29	23.16	24.40
100	QPSK	1	137	23.10	23.32	23.31	24.40
100	QPSK	1	271	23.14	23.21	23.14	24.40
100	QPSK	135	0	23.23	23.24	23.11	24.40
100	QPSK	135	69	23.30	23.20	23.21	24.40
100	QPSK	135	138	23.31	23.09	23.31	24.40
100	QPSK	270	0	23.32	23.16	23.17	24.40
100	16QAM	1	1	23.20	23.08	23.22	24.40
100	64QAM	1	1	23.24	23.09	23.24	24.40
100	256QAM	1	1	21.31	21.35	21.31	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.14	23.31	23.14	24.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.18	23.23	23.12	24.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.19	23.27	23.11	24.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.10	23.29	23.17	24.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.20	23.21	23.12	24.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.16	23.29	23.12	24.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.17	23.21	23.11	24.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.11	23.26	23.17	24.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.10	23.28	23.11	24.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.17	23.22	23.21	24.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.20	23.20	23.21	24.40



【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.21	18.25	18.15	19.10
100	PI/2 BPSK	1	137	17.98	18.07	17.89	19.10
100	PI/2 BPSK	1	271	18.10	18.00	17.96	19.10
100	PI/2 BPSK	135	0	18.04	18.08	17.97	19.10
100	PI/2 BPSK	135	69	17.92	18.13	17.91	19.10
100	PI/2 BPSK	135	138	17.90	17.97	17.94	19.10
100	PI/2 BPSK	270	0	18.09	18.05	17.89	19.10
100	QPSK	1	1	18.06	18.02	18.11	19.10
100	QPSK	1	137	17.98	18.12	18.08	19.10
100	QPSK	1	271	17.90	18.11	18.03	19.10
100	QPSK	135	0	18.09	18.04	17.98	19.10
100	QPSK	135	69	18.00	18.01	17.90	19.10
100	QPSK	135	138	17.93	18.10	17.93	19.10
100	QPSK	270	0	17.97	17.97	18.04	19.10
100	16QAM	1	1	18.07	17.97	18.11	19.10
100	64QAM	1	1	17.93	18.09	17.89	19.10
100	256QAM	1	1	18.05	18.11	18.04	19.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.20	18.17	18.12	19.10
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.17	18.18	18.08	19.10
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.14	18.16	18.11	19.10
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.17	18.10	18.09	19.10
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.06	18.23	18.11	19.10
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.18	18.12	18.03	19.10
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	18.15	18.17	18.00	19.10
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	18.14	18.14	18.08	19.10
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.06	18.15	18.01	19.10
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.09	18.14	18.09	19.10
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.12	18.23	18.05	19.10



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 5_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.50	20.54	20.48	21.50
100	PI/2 BPSK	1	137	20.42	20.51	20.31	21.50
100	PI/2 BPSK	1	271	20.39	20.48	20.29	21.50
100	PI/2 BPSK	135	0	19.89	20.03	19.83	21.00
100	PI/2 BPSK	135	69	20.37	20.51	20.40	21.50
100	PI/2 BPSK	135	138	19.87	20.01	19.94	21.00
100	PI/2 BPSK	270	0	19.81	19.98	19.77	21.00
100	QPSK	1	1	20.31	20.44	20.24	21.50
100	QPSK	1	137	20.36	20.46	20.32	21.50
100	QPSK	1	271	20.29	20.48	20.33	21.50
100	QPSK	135	0	19.43	19.57	19.48	20.50
100	QPSK	135	69	20.30	20.47	20.38	21.50
100	QPSK	135	138	19.39	19.53	19.44	20.50
100	QPSK	270	0	19.45	19.51	19.35	20.50
100	16QAM	1	1	19.35	19.48	19.38	20.50
100	64QAM	1	1	17.98	18.06	17.94	19.00
100	256QAM	1	1	15.99	16.03	15.96	17.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.41	20.50	20.42	21.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.40	20.45	20.38	21.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.43	20.48	20.37	21.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.37	20.52	20.41	21.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.46	20.46	20.43	21.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.40	20.52	20.37	21.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.37	20.49	20.46	21.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.48	20.49	20.36	21.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.48	20.44	20.35	21.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.47	20.51	20.37	21.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.46	20.53	20.40	21.50



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 5_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.50	20.54	20.48	21.50
100	PI/2 BPSK	1	137	20.42	20.51	20.31	21.50
100	PI/2 BPSK	1	271	20.39	20.48	20.29	21.50
100	PI/2 BPSK	135	0	19.89	20.03	19.83	21.00
100	PI/2 BPSK	135	69	20.37	20.51	20.40	21.50
100	PI/2 BPSK	135	138	19.87	20.01	19.94	21.00
100	PI/2 BPSK	270	0	19.81	19.98	19.77	21.00
100	QPSK	1	1	20.31	20.44	20.24	21.50
100	QPSK	1	137	20.36	20.46	20.32	21.50
100	QPSK	1	271	20.29	20.48	20.33	21.50
100	QPSK	135	0	19.43	19.57	19.48	20.50
100	QPSK	135	69	20.30	20.47	20.38	21.50
100	QPSK	135	138	19.39	19.53	19.44	20.50
100	QPSK	270	0	19.45	19.51	19.35	20.50
100	16QAM	1	1	19.35	19.48	19.38	20.50
100	64QAM	1	1	17.98	18.06	17.94	19.00
100	256QAM	1	1	15.99	16.03	15.96	17.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.41	20.50	20.42	21.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.40	20.45	20.38	21.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.43	20.48	20.37	21.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.37	20.52	20.41	21.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.46	20.46	20.43	21.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.40	20.52	20.37	21.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.37	20.49	20.46	21.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.48	20.49	20.36	21.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.48	20.44	20.35	21.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.47	20.51	20.37	21.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.46	20.53	20.40	21.50



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 5_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	12.55	12.58	12.53	13.80
100	PI/2 BPSK	1	137	12.35	12.51	12.42	13.80
100	PI/2 BPSK	1	271	12.36	12.53	12.36	13.80
100	PI/2 BPSK	135	0	12.44	12.50	12.41	13.80
100	PI/2 BPSK	135	69	12.40	12.55	12.45	13.80
100	PI/2 BPSK	135	138	12.40	12.49	12.31	13.80
100	PI/2 BPSK	270	0	12.30	12.41	12.33	13.80
100	QPSK	1	1	12.37	12.44	12.34	13.80
100	QPSK	1	137	12.36	12.46	12.33	13.80
100	QPSK	1	271	12.40	12.48	12.32	13.80
100	QPSK	135	0	12.31	12.47	12.29	13.80
100	QPSK	135	69	12.38	12.43	12.26	13.80
100	QPSK	135	138	12.41	12.52	12.44	13.80
100	QPSK	270	0	12.39	12.49	12.37	13.80
100	16QAM	1	1	12.31	12.44	12.37	13.80
100	64QAM	1	1	12.33	12.46	12.31	13.80
100	256QAM	1	1	12.33	12.47	12.28	13.80
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	12.50	12.52	12.43	13.80
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.51	12.54	12.45	13.80
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.43	12.55	12.50	13.80
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	12.51	12.50	12.41	13.80
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.48	12.44	12.46	13.80
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.47	12.44	12.38	13.80
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	12.44	12.50	12.41	13.80
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	12.45	12.45	12.48	13.80
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	12.50	12.45	12.39	13.80
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	12.46	12.44	12.40	13.80
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	12.41	12.52	12.47	13.80



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 5_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.01	16.08	16.05	17.10
100	PI/2 BPSK	1	137	15.93	16.01	15.85	17.10
100	PI/2 BPSK	1	271	15.81	16.02	15.86	17.10
100	PI/2 BPSK	135	0	15.82	15.98	15.85	17.10
100	PI/2 BPSK	135	69	15.88	16.05	15.91	17.10
100	PI/2 BPSK	135	138	15.73	15.95	15.82	17.10
100	PI/2 BPSK	270	0	15.76	15.93	15.86	17.10
100	QPSK	1	1	15.83	15.94	15.89	17.10
100	QPSK	1	137	15.85	15.99	15.95	17.10
100	QPSK	1	271	15.93	16.03	15.87	17.10
100	QPSK	135	0	15.88	16.01	15.86	17.10
100	QPSK	135	69	15.72	15.89	15.84	17.10
100	QPSK	135	138	15.74	15.94	15.79	17.10
100	QPSK	270	0	15.83	15.97	15.86	17.10
100	16QAM	1	1	15.75	15.93	15.83	17.10
100	64QAM	1	1	15.80	15.98	15.85	17.10
100	256QAM	1	1	15.76	15.92	15.74	17.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.98	15.95	15.99	17.10
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.97	16.00	15.99	17.10
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.87	16.00	15.93	17.10
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.91	15.97	15.93	17.10
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.94	15.93	15.95	17.10
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.92	15.95	16.01	17.10
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	15.90	16.05	16.01	17.10
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	15.97	16.00	16.04	17.10
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.95	15.98	16.01	17.10
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.95	15.99	16.00	17.10
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.89	15.94	15.91	17.10



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 5_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.50	20.54	20.48	21.50
100	PI/2 BPSK	1	137	20.42	20.51	20.31	21.50
100	PI/2 BPSK	1	271	20.39	20.48	20.29	21.50
100	PI/2 BPSK	135	0	19.89	20.03	19.83	21.00
100	PI/2 BPSK	135	69	20.37	20.51	20.40	21.50
100	PI/2 BPSK	135	138	19.87	20.01	19.94	21.00
100	PI/2 BPSK	270	0	19.81	19.98	19.77	21.00
100	QPSK	1	1	20.31	20.44	20.24	21.50
100	QPSK	1	137	20.36	20.46	20.32	21.50
100	QPSK	1	271	20.29	20.48	20.33	21.50
100	QPSK	135	0	19.43	19.57	19.48	20.50
100	QPSK	135	69	20.30	20.47	20.38	21.50
100	QPSK	135	138	19.39	19.53	19.44	20.50
100	QPSK	270	0	19.45	19.51	19.35	20.50
100	16QAM	1	1	19.35	19.48	19.38	20.50
100	64QAM	1	1	17.98	18.06	17.94	19.00
100	256QAM	1	1	15.99	16.03	15.96	17.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.41	20.50	20.42	21.50
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.40	20.45	20.38	21.50
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.43	20.48	20.37	21.50
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.37	20.52	20.41	21.50
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.46	20.46	20.43	21.50
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.40	20.52	20.37	21.50
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	20.37	20.49	20.46	21.50
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	20.48	20.49	20.36	21.50
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.48	20.44	20.35	21.50
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.47	20.51	20.37	21.50
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.46	20.53	20.40	21.50



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 5_DSI

7]

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	12.03	12.08	12.01	13.20
100	PI/2 BPSK	1	137	11.82	11.98	11.95	13.20
100	PI/2 BPSK	1	271	11.84	11.83	11.80	13.20
100	PI/2 BPSK	135	0	11.87	11.93	11.95	13.20
100	PI/2 BPSK	135	69	11.96	12.05	11.94	13.20
100	PI/2 BPSK	135	138	11.91	11.99	11.78	13.20
100	PI/2 BPSK	270	0	11.90	11.85	11.87	13.20
100	QPSK	1	1	11.78	11.81	12.00	13.20
100	QPSK	1	137	11.92	11.91	11.83	13.20
100	QPSK	1	271	11.93	11.86	11.90	13.20
100	QPSK	135	0	11.92	11.90	11.89	13.20
100	QPSK	135	69	11.83	11.79	12.00	13.20
100	QPSK	135	138	11.86	11.82	11.80	13.20
100	QPSK	270	0	11.82	11.87	11.79	13.20
100	16QAM	1	1	11.84	11.79	11.97	13.20
100	64QAM	1	1	11.85	11.90	11.81	13.20
100	256QAM	1	1	11.89	12.01	11.93	13.20
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	11.98	12.04	11.97	13.20
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	11.95	12.02	11.87	13.20
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.01	11.93	11.87	13.20
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	11.91	12.00	11.99	13.20
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.01	12.03	11.88	13.20
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.01	11.99	11.91	13.20
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	11.91	12.03	11.95	13.20
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	11.95	12.04	11.97	13.20
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	11.94	12.00	11.87	13.20
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	12.02	11.97	11.87	13.20
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	11.90	11.98	11.94	13.20



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 6_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.23	23.35	23.22	24.00
100	PI/2 BPSK	1	137	22.95	23.16	22.95	24.00
100	PI/2 BPSK	1	271	23.05	23.28	23.14	24.00
100	PI/2 BPSK	135	0	22.97	23.17	22.89	24.00
100	PI/2 BPSK	135	69	22.94	23.21	22.98	24.00
100	PI/2 BPSK	135	138	23.01	23.18	22.91	24.00
100	PI/2 BPSK	270	0	22.97	23.17	22.97	24.00
100	QPSK	1	1	23.20	23.24	23.16	24.00
100	QPSK	1	137	23.10	23.24	23.09	24.00
100	QPSK	1	271	23.02	23.26	23.09	24.00
100	QPSK	135	0	22.87	23.13	22.86	24.00
100	QPSK	135	69	22.92	23.12	22.96	24.00
100	QPSK	135	138	22.95	23.15	22.88	24.00
100	QPSK	270	0	22.97	23.21	22.94	24.00
100	16QAM	1	1	23.17	23.33	23.09	24.00
100	64QAM	1	1	23.03	23.28	23.09	24.00
100	256QAM	1	1	22.12	22.38	22.17	23.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.19	23.31	23.19	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.08	23.26	23.10	24.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.13	23.28	23.14	24.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.12	23.22	23.19	24.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.17	23.24	23.14	24.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.20	23.34	23.08	24.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.11	23.31	23.19	24.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.11	23.23	23.10	24.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.10	23.26	23.15	24.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.19	23.28	23.20	24.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.17	23.22	23.13	24.00



【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.33	26.38	26.35	27.00
100	PI/2 BPSK	1	137	26.24	26.31	26.20	27.00
100	PI/2 BPSK	1	271	26.14	26.33	26.18	27.00
100	PI/2 BPSK	135	0	25.68	25.81	25.71	26.50
100	PI/2 BPSK	135	69	26.22	26.35	26.27	27.00
100	PI/2 BPSK	135	138	25.69	25.78	25.71	26.50
100	PI/2 BPSK	270	0	25.60	25.75	25.61	26.50
100	QPSK	1	1	26.23	26.32	26.19	27.00
100	QPSK	1	137	26.13	26.28	26.13	27.00
100	QPSK	1	271	26.12	26.25	26.10	27.00
100	QPSK	135	0	25.32	25.40	25.29	26.00
100	QPSK	135	69	26.04	26.22	26.17	27.00
100	QPSK	135	138	25.22	25.35	25.20	26.00
100	QPSK	270	0	25.24	25.31	25.17	26.00
100	16QAM	1	1	25.20	25.34	25.28	26.00
100	64QAM	1	1	23.70	23.78	23.64	24.50
100	256QAM	1	1	21.60	21.75	21.69	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.24	26.29	26.33	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.25	26.23	26.22	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.19	26.36	26.25	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.26	26.34	26.28	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.27	26.34	26.33	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.25	26.35	26.28	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	26.21	26.28	26.34	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	26.23	26.26	26.31	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.23	26.27	26.23	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.29	26.24	26.33	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.18	26.34	26.33	27.00



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 6_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.23	23.35	23.22	24.00
100	PI/2 BPSK	1	137	22.95	23.16	22.95	24.00
100	PI/2 BPSK	1	271	23.05	23.28	23.14	24.00
100	PI/2 BPSK	135	0	22.97	23.17	22.89	24.00
100	PI/2 BPSK	135	69	22.94	23.21	22.98	24.00
100	PI/2 BPSK	135	138	23.01	23.18	22.91	24.00
100	PI/2 BPSK	270	0	22.97	23.17	22.97	24.00
100	QPSK	1	1	23.20	23.24	23.16	24.00
100	QPSK	1	137	23.10	23.24	23.09	24.00
100	QPSK	1	271	23.02	23.26	23.09	24.00
100	QPSK	135	0	22.87	23.13	22.86	24.00
100	QPSK	135	69	22.92	23.12	22.96	24.00
100	QPSK	135	138	22.95	23.15	22.88	24.00
100	QPSK	270	0	22.97	23.21	22.94	24.00
100	16QAM	1	1	23.17	23.33	23.09	24.00
100	64QAM	1	1	23.03	23.28	23.09	24.00
100	256QAM	1	1	22.12	22.38	22.17	23.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.19	23.31	23.19	24.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.08	23.26	23.10	24.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.13	23.28	23.14	24.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.12	23.22	23.19	24.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.17	23.24	23.14	24.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.20	23.34	23.08	24.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.11	23.31	23.19	24.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.11	23.23	23.10	24.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.10	23.26	23.15	24.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.19	23.28	23.20	24.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.17	23.22	23.13	24.00



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 6_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	11.22	11.38	11.22	12.40
100	PI/2 BPSK	1	137	11.21	11.06	11.04	12.40
100	PI/2 BPSK	1	271	11.23	11.07	11.26	12.40
100	PI/2 BPSK	135	0	11.06	11.23	11.22	12.40
100	PI/2 BPSK	135	69	11.23	11.13	11.18	12.40
100	PI/2 BPSK	135	138	11.04	11.07	11.08	12.40
100	PI/2 BPSK	270	0	11.17	11.05	11.09	12.40
100	QPSK	1	1	11.04	11.04	11.14	12.40
100	QPSK	1	137	11.12	11.15	11.05	12.40
100	QPSK	1	271	11.18	11.05	11.17	12.40
100	QPSK	135	0	11.22	11.05	11.19	12.40
100	QPSK	135	69	11.10	11.14	11.23	12.40
100	QPSK	135	138	11.17	11.12	11.20	12.40
100	QPSK	270	0	11.17	11.17	11.25	12.40
100	16QAM	1	1	11.11	11.20	11.08	12.40
100	64QAM	1	1	11.12	11.06	11.09	12.40
100	256QAM	1	1	11.17	11.09	11.20	12.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	11.09	11.30	11.12	12.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	11.15	11.34	11.11	12.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	11.17	11.25	11.18	12.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	11.19	11.30	11.18	12.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	11.15	11.25	11.12	12.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	11.16	11.33	11.09	12.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	11.11	11.29	11.16	12.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	11.15	11.30	11.18	12.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	11.19	11.29	11.19	12.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	11.12	11.24	11.16	12.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	11.07	11.37	11.15	12.40



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 6_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.85	14.89	14.83	16.10
100	PI/2 BPSK	1	137	14.77	14.88	14.79	16.10
100	PI/2 BPSK	1	271	14.69	14.85	14.77	16.10
100	PI/2 BPSK	135	0	14.62	14.81	14.71	16.10
100	PI/2 BPSK	135	69	14.80	14.86	14.65	16.10
100	PI/2 BPSK	135	138	14.72	14.83	14.69	16.10
100	PI/2 BPSK	270	0	14.71	14.79	14.66	16.10
100	QPSK	1	1	14.71	14.82	14.73	16.10
100	QPSK	1	137	14.72	14.77	14.70	16.10
100	QPSK	1	271	14.62	14.76	14.64	16.10
100	QPSK	135	0	14.66	14.73	14.61	16.10
100	QPSK	135	69	14.64	14.71	14.59	16.10
100	QPSK	135	138	14.64	14.72	14.56	16.10
100	QPSK	270	0	14.61	14.79	14.62	16.10
100	16QAM	1	1	14.69	14.83	14.68	16.10
100	64QAM	1	1	14.66	14.81	14.69	16.10
100	256QAM	1	1	14.60	14.76	14.55	16.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.75	14.80	14.81	16.10
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.77	14.80	14.75	16.10
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.79	14.81	14.75	16.10
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.78	14.79	14.81	16.10
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.71	14.81	14.81	16.10
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.79	14.79	14.80	16.10
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	14.72	14.84	14.68	16.10
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	14.73	14.75	14.75	16.10
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.77	14.87	14.80	16.10
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.81	14.78	14.80	16.10
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.76	14.79	14.73	16.10



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 6_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.25	16.38	16.29	17.40
100	PI/2 BPSK	1	137	16.14	16.22	16.24	17.40
100	PI/2 BPSK	1	271	16.25	16.31	16.27	17.40
100	PI/2 BPSK	135	0	16.24	16.20	16.16	17.40
100	PI/2 BPSK	135	69	16.31	16.33	16.23	17.40
100	PI/2 BPSK	135	138	16.27	16.23	16.27	17.40
100	PI/2 BPSK	270	0	16.19	16.11	16.16	17.40
100	QPSK	1	1	16.22	16.23	16.22	17.40
100	QPSK	1	137	16.11	16.29	16.17	17.40
100	QPSK	1	271	16.26	16.21	16.29	17.40
100	QPSK	135	0	16.23	16.10	16.19	17.40
100	QPSK	135	69	16.22	16.20	16.19	17.40
100	QPSK	135	138	16.26	16.16	16.28	17.40
100	QPSK	270	0	16.16	16.25	16.23	17.40
100	16QAM	1	1	16.09	16.23	16.21	17.40
100	64QAM	1	1	16.24	16.29	16.15	17.40
100	256QAM	1	1	16.15	16.31	16.32	17.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.11	16.30	16.25	17.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.22	16.35	16.24	17.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.10	16.34	16.26	17.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.22	16.26	16.24	17.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.13	16.29	16.17	17.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.24	16.24	16.23	17.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	16.22	16.25	16.26	17.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	16.23	16.23	16.14	17.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.22	16.26	16.21	17.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.19	16.33	16.24	17.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.12	16.36	16.16	17.40



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 6_DSI

7]

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	9.81	9.88	9.83	10.90
100	PI/2 BPSK	1	137	9.76	9.80	9.78	10.90
100	PI/2 BPSK	1	271	9.70	9.73	9.72	10.90
100	PI/2 BPSK	135	0	9.81	9.73	9.70	10.90
100	PI/2 BPSK	135	69	9.66	9.95	9.61	10.90
100	PI/2 BPSK	135	138	9.69	9.80	9.69	10.90
100	PI/2 BPSK	270	0	9.71	9.76	9.77	10.90
100	QPSK	1	1	9.67	9.66	9.62	10.90
100	QPSK	1	137	9.73	9.74	9.74	10.90
100	QPSK	1	271	9.80	9.68	9.62	10.90
100	QPSK	135	0	9.75	9.69	9.78	10.90
100	QPSK	135	69	9.82	9.70	9.60	10.90
100	QPSK	135	138	9.66	9.71	9.65	10.90
100	QPSK	270	0	9.67	9.75	9.60	10.90
100	16QAM	1	1	9.75	9.73	9.76	10.90
100	64QAM	1	1	9.68	9.61	9.77	10.90
100	256QAM	1	1	9.62	9.62	9.69	10.90
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	9.73	9.73	9.79	10.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	9.77	9.74	9.77	10.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	9.69	9.85	9.77	10.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	9.73	9.79	9.76	10.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	9.78	9.79	9.70	10.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	9.73	9.79	9.70	10.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	9.67	9.76	9.71	10.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	9.68	9.78	9.77	10.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	9.73	9.76	9.75	10.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	9.78	9.82	9.73	10.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	9.72	9.84	9.69	10.90



【FR1 n77 (270)___FCC_Part 270

(3700~3980MHz)_HPUE_Ant 6_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.33	26.38	26.35	27.00
100	PI/2 BPSK	1	137	26.24	26.31	26.20	27.00
100	PI/2 BPSK	1	271	26.14	26.33	26.18	27.00
100	PI/2 BPSK	135	0	25.68	25.81	25.71	26.50
100	PI/2 BPSK	135	69	26.22	26.35	26.27	27.00
100	PI/2 BPSK	135	138	25.69	25.78	25.71	26.50
100	PI/2 BPSK	270	0	25.60	25.75	25.61	26.50
100	QPSK	1	1	26.23	26.32	26.19	27.00
100	QPSK	1	137	26.13	26.28	26.13	27.00
100	QPSK	1	271	26.12	26.25	26.10	27.00
100	QPSK	135	0	25.32	25.40	25.29	26.00
100	QPSK	135	69	26.04	26.22	26.17	27.00
100	QPSK	135	138	25.22	25.35	25.20	26.00
100	QPSK	270	0	25.24	25.31	25.17	26.00
100	16QAM	1	1	25.20	25.34	25.28	26.00
100	64QAM	1	1	23.70	23.78	23.64	24.50
100	256QAM	1	1	21.60	21.75	21.69	22.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.24	26.29	26.33	27.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.25	26.23	26.22	27.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.19	26.36	26.25	27.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.26	26.34	26.28	27.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.27	26.34	26.33	27.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.25	26.35	26.28	27.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	26.21	26.28	26.34	27.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	26.23	26.26	26.31	27.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.23	26.27	26.23	27.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.29	26.24	26.33	27.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.18	26.34	26.33	27.00



【FR1 n77 (270)_FCC_Part 270
(3700~3980MHz)_HPUE_Ant 6_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.28	14.40	14.32	15.40
100	PI/2 BPSK	1	137	14.22	14.26	14.25	15.40
100	PI/2 BPSK	1	271	14.31	14.20	14.20	15.40
100	PI/2 BPSK	135	0	14.29	14.25	14.31	15.40
100	PI/2 BPSK	135	69	14.31	14.33	14.18	15.40
100	PI/2 BPSK	135	138	14.23	14.31	14.27	15.40
100	PI/2 BPSK	270	0	14.36	14.36	14.32	15.40
100	QPSK	1	1	14.17	14.30	14.30	15.40
100	QPSK	1	137	14.35	14.14	14.35	15.40
100	QPSK	1	271	14.14	14.19	14.14	15.40
100	QPSK	135	0	14.18	14.19	14.32	15.40
100	QPSK	135	69	14.21	14.16	14.26	15.40
100	QPSK	135	138	14.20	14.15	14.36	15.40
100	QPSK	270	0	14.28	14.29	14.22	15.40
100	16QAM	1	1	14.22	14.24	14.25	15.40
100	64QAM	1	1	14.25	14.26	14.15	15.40
100	256QAM	1	1	14.36	14.19	14.21	15.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.25	14.28	14.25	15.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.20	14.31	14.18	15.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.14	14.31	14.31	15.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.26	14.30	14.29	15.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.26	14.38	14.29	15.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.13	14.25	14.21	15.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	14.14	14.32	14.29	15.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	14.25	14.34	14.19	15.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.16	14.31	14.23	15.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.22	14.37	14.19	15.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.15	14.37	14.30	15.40

【FR1 n77 (270)_FCC_Part 270
(3700~3980MHz)_HPUE_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.88	17.92	17.85	19.10
100	PI/2 BPSK	1	137	17.79	17.91	17.75	19.10
100	PI/2 BPSK	1	271	17.79	17.85	17.66	19.10
100	PI/2 BPSK	135	0	17.67	17.83	17.67	19.10
100	PI/2 BPSK	135	69	17.68	17.86	17.73	19.10
100	PI/2 BPSK	135	138	17.67	17.82	17.64	19.10
100	PI/2 BPSK	270	0	17.63	17.81	17.65	19.10
100	QPSK	1	1	17.66	17.83	17.62	19.10
100	QPSK	1	137	17.71	17.79	17.61	19.10
100	QPSK	1	271	17.67	17.75	17.57	19.10
100	QPSK	135	0	17.60	17.77	17.67	19.10
100	QPSK	135	69	17.73	17.82	17.71	19.10
100	QPSK	135	138	17.67	17.83	17.72	19.10
100	QPSK	270	0	17.71	17.85	17.68	19.10
100	16QAM	1	1	17.73	17.87	17.74	19.10
100	64QAM	1	1	17.70	17.83	17.62	19.10
100	256QAM	1	1	17.68	17.82	17.68	19.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.76	17.80	17.73	19.10
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.77	17.89	17.74	19.10
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.86	17.79	17.72	19.10
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.83	17.89	17.84	19.10
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.74	17.82	17.74	19.10
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.81	17.78	17.79	19.10
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.75	17.87	17.73	19.10
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.74	17.88	17.79	19.10
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.78	17.80	17.72	19.10
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.86	17.90	17.74	19.10
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.78	17.82	17.78	19.10



【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 6_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.63	19.66	19.61	20.40
100	PI/2 BPSK	1	137	19.45	19.61	19.60	20.40
100	PI/2 BPSK	1	271	19.56	19.40	19.62	20.40
100	PI/2 BPSK	135	0	19.49	19.57	19.62	20.40
100	PI/2 BPSK	135	69	19.43	19.61	19.58	20.40
100	PI/2 BPSK	135	138	19.43	19.57	19.44	20.40
100	PI/2 BPSK	270	0	19.55	19.60	19.50	20.40
100	QPSK	1	1	19.41	19.41	19.56	20.40
100	QPSK	1	137	19.61	19.51	19.51	20.40
100	QPSK	1	271	19.48	19.53	19.42	20.40
100	QPSK	135	0	19.40	19.53	19.49	20.40
100	QPSK	135	69	19.54	19.57	19.45	20.40
100	QPSK	135	138	19.51	19.43	19.42	20.40
100	QPSK	270	0	19.42	19.50	19.48	20.40
100	16QAM	1	1	19.55	19.51	19.48	20.40
100	64QAM	1	1	19.48	19.41	19.62	20.40
100	256QAM	1	1	19.51	19.54	19.53	20.40
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.53	19.57	19.54	20.40
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.54	19.64	19.57	20.40
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.50	19.64	19.54	20.40
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.59	19.62	19.47	20.40
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.48	19.60	19.60	20.40
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.50	19.58	19.55	20.40
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	19.52	19.52	19.59	20.40
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	19.48	19.55	19.58	20.40
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.61	19.58	19.51	20.40
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.55	19.51	19.50	20.40
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.60	19.54	19.52	20.40



【FR1 n77 (270)_FCC_Part 270

(3700~3980MHz)_HPUE_Ant 6_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	12.85	12.91	12.89	13.90
100	PI/2 BPSK	1	137	12.82	12.64	12.68	13.90
100	PI/2 BPSK	1	271	12.78	12.66	12.59	13.90
100	PI/2 BPSK	135	0	12.61	12.64	12.60	13.90
100	PI/2 BPSK	135	69	12.65	12.83	12.78	13.90
100	PI/2 BPSK	135	138	12.81	12.81	12.75	13.90
100	PI/2 BPSK	270	0	12.66	12.62	12.64	13.90
100	QPSK	1	1	12.69	12.76	12.68	13.90
100	QPSK	1	137	12.65	12.79	12.67	13.90
100	QPSK	1	271	12.77	12.81	12.60	13.90
100	QPSK	135	0	12.77	12.78	12.78	13.90
100	QPSK	135	69	12.63	12.70	12.79	13.90
100	QPSK	135	138	12.59	12.66	12.74	13.90
100	QPSK	270	0	12.72	12.72	12.63	13.90
100	16QAM	1	1	12.71	12.75	12.78	13.90
100	64QAM	1	1	12.70	12.68	12.73	13.90
100	256QAM	1	1	12.65	12.59	12.79	13.90
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	12.82	12.79	12.86	13.90
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.74	12.90	12.74	13.90
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.72	12.79	12.82	13.90
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	12.79	12.76	12.80	13.90
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.71	12.85	12.84	13.90
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.74	12.80	12.85	13.90
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	12.76	12.89	12.75	13.90
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	12.75	12.83	12.77	13.90
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	12.75	12.76	12.75	13.90
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	12.71	12.90	12.88	13.90
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	12.77	12.86	12.86	13.90



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 7_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.11	21.15	21.08	22.00
100	PI/2 BPSK	1	137	21.01	21.11	20.97	22.00
100	PI/2 BPSK	1	271	20.99	21.08	20.98	22.00
100	PI/2 BPSK	135	0	20.50	20.63	20.54	21.50
100	PI/2 BPSK	135	69	21.04	21.13	21.03	22.00
100	PI/2 BPSK	135	138	20.52	20.58	20.42	21.50
100	PI/2 BPSK	270	0	20.39	20.55	20.34	21.50
100	QPSK	1	1	20.93	21.11	20.98	22.00
100	QPSK	1	137	20.99	21.07	20.91	22.00
100	QPSK	1	271	20.96	21.05	20.95	22.00
100	QPSK	135	0	20.01	20.13	20.00	21.00
100	QPSK	135	69	20.95	21.06	20.96	22.00
100	QPSK	135	138	19.94	20.11	19.98	21.00
100	QPSK	270	0	19.90	20.08	19.88	21.00
100	16QAM	1	1	19.95	20.05	19.93	21.00
100	64QAM	1	1	18.50	18.59	18.40	19.50
100	256QAM	1	1	16.45	16.55	16.47	17.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.07	21.05	21.02	22.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.00	21.12	20.96	22.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.08	21.06	21.07	22.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.07	21.12	21.06	22.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.08	21.11	21.00	22.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.05	21.04	21.02	22.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.10	21.08	20.93	22.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.05	21.04	20.96	22.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.02	21.05	21.04	22.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.09	21.07	20.98	22.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.02	21.03	21.04	22.00



【FR1 n77 (270)_FCC_Part 270
(3700~3980MHz)_HPUE_Ant 7_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.62	23.69	23.66	25.00
100	PI/2 BPSK	1	137	23.45	23.61	23.51	25.00
100	PI/2 BPSK	1	271	23.48	23.63	23.45	25.00
100	PI/2 BPSK	135	0	23.09	23.18	23.07	24.50
100	PI/2 BPSK	135	69	23.48	23.66	23.51	25.00
100	PI/2 BPSK	135	138	23.02	23.15	23.10	24.50
100	PI/2 BPSK	270	0	22.99	23.11	23.05	24.50
100	QPSK	1	1	23.41	23.62	23.50	25.00
100	QPSK	1	137	23.47	23.59	23.43	25.00
100	QPSK	1	271	23.38	23.56	23.43	25.00
100	QPSK	135	0	22.62	22.73	22.60	24.00
100	QPSK	135	69	23.43	23.64	23.50	25.00
100	QPSK	135	138	22.55	22.71	22.58	24.00
100	QPSK	270	0	22.57	22.66	22.52	24.00
100	16QAM	1	1	22.60	22.69	22.64	24.00
100	64QAM	1	1	21.01	21.21	21.04	22.50
100	256QAM	1	1	19.11	19.19	19.07	20.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.60	23.63	23.64	25.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.58	23.54	23.51	25.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.53	23.63	23.51	25.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.54	23.67	23.65	25.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.47	23.56	23.56	25.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.54	23.67	23.57	25.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.58	23.58	23.63	25.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.56	23.60	23.53	25.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.51	23.61	23.62	25.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.56	23.58	23.60	25.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.48	23.68	23.65	25.00

【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 7_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.11	21.15	21.08	22.00
100	PI/2 BPSK	1	137	21.01	21.11	20.97	22.00
100	PI/2 BPSK	1	271	20.99	21.08	20.98	22.00
100	PI/2 BPSK	135	0	20.50	20.63	20.54	21.50
100	PI/2 BPSK	135	69	21.04	21.13	21.03	22.00
100	PI/2 BPSK	135	138	20.52	20.58	20.42	21.50
100	PI/2 BPSK	270	0	20.39	20.55	20.34	21.50
100	QPSK	1	1	20.93	21.11	20.98	22.00
100	QPSK	1	137	20.99	21.07	20.91	22.00
100	QPSK	1	271	20.96	21.05	20.95	22.00
100	QPSK	135	0	20.01	20.13	20.00	21.00
100	QPSK	135	69	20.95	21.06	20.96	22.00
100	QPSK	135	138	19.94	20.11	19.98	21.00
100	QPSK	270	0	19.90	20.08	19.88	21.00
100	16QAM	1	1	19.95	20.05	19.93	21.00
100	64QAM	1	1	18.50	18.59	18.40	19.50
100	256QAM	1	1	16.45	16.55	16.47	17.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.07	21.05	21.02	22.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.00	21.12	20.96	22.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.08	21.06	21.07	22.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.07	21.12	21.06	22.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.08	21.11	21.00	22.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.05	21.04	21.02	22.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.10	21.08	20.93	22.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.05	21.04	20.96	22.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.02	21.05	21.04	22.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.09	21.07	20.98	22.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.02	21.03	21.04	22.00



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 7_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.11	21.15	21.08	22.00
100	PI/2 BPSK	1	137	21.01	21.11	20.97	22.00
100	PI/2 BPSK	1	271	20.99	21.08	20.98	22.00
100	PI/2 BPSK	135	0	20.50	20.63	20.54	21.50
100	PI/2 BPSK	135	69	21.04	21.13	21.03	22.00
100	PI/2 BPSK	135	138	20.52	20.58	20.42	21.50
100	PI/2 BPSK	270	0	20.39	20.55	20.34	21.50
100	QPSK	1	1	20.93	21.11	20.98	22.00
100	QPSK	1	137	20.99	21.07	20.91	22.00
100	QPSK	1	271	20.96	21.05	20.95	22.00
100	QPSK	135	0	20.01	20.13	20.00	21.00
100	QPSK	135	69	20.95	21.06	20.96	22.00
100	QPSK	135	138	19.94	20.11	19.98	21.00
100	QPSK	270	0	19.90	20.08	19.88	21.00
100	16QAM	1	1	19.95	20.05	19.93	21.00
100	64QAM	1	1	18.50	18.59	18.40	19.50
100	256QAM	1	1	16.45	16.55	16.47	17.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.07	21.05	21.02	22.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.00	21.12	20.96	22.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.08	21.06	21.07	22.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.07	21.12	21.06	22.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.08	21.11	21.00	22.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.05	21.04	21.02	22.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.10	21.08	20.93	22.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.05	21.04	20.96	22.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.02	21.05	21.04	22.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.09	21.07	20.98	22.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.02	21.03	21.04	22.00



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 7_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.66	14.69	14.63	15.00
100	PI/2 BPSK	1	137	14.54	14.65	14.55	15.00
100	PI/2 BPSK	1	271	14.52	14.61	14.46	15.00
100	PI/2 BPSK	135	0	14.46	14.63	14.48	15.00
100	PI/2 BPSK	135	69	14.49	14.66	14.49	15.00
100	PI/2 BPSK	135	138	14.52	14.59	14.44	15.00
100	PI/2 BPSK	270	0	14.44	14.51	14.33	15.00
100	QPSK	1	1	14.50	14.57	14.39	15.00
100	QPSK	1	137	14.52	14.58	14.46	15.00
100	QPSK	1	271	14.49	14.53	14.35	15.00
100	QPSK	135	0	14.47	14.63	14.42	15.00
100	QPSK	135	69	14.47	14.60	14.45	15.00
100	QPSK	135	138	14.44	14.59	14.50	15.00
100	QPSK	270	0	14.41	14.54	14.44	15.00
100	16QAM	1	1	14.39	14.57	14.50	15.00
100	64QAM	1	1	14.46	14.53	14.40	15.00
100	256QAM	1	1	14.40	14.52	14.39	15.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.63	14.54	14.60	15.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.53	14.55	14.55	15.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.58	14.65	14.62	15.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.65	14.56	14.61	15.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.61	14.59	14.59	15.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.57	14.59	14.55	15.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	14.55	14.67	14.52	15.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	14.61	14.56	14.54	15.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.61	14.55	14.60	15.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.65	14.59	14.59	15.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.65	14.56	14.55	15.00

【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 7_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.11	21.15	21.08	22.00
100	PI/2 BPSK	1	137	21.01	21.11	20.97	22.00
100	PI/2 BPSK	1	271	20.99	21.08	20.98	22.00
100	PI/2 BPSK	135	0	20.50	20.63	20.54	21.50
100	PI/2 BPSK	135	69	21.04	21.13	21.03	22.00
100	PI/2 BPSK	135	138	20.52	20.58	20.42	21.50
100	PI/2 BPSK	270	0	20.39	20.55	20.34	21.50
100	QPSK	1	1	20.93	21.11	20.98	22.00
100	QPSK	1	137	20.99	21.07	20.91	22.00
100	QPSK	1	271	20.96	21.05	20.95	22.00
100	QPSK	135	0	20.01	20.13	20.00	21.00
100	QPSK	135	69	20.95	21.06	20.96	22.00
100	QPSK	135	138	19.94	20.11	19.98	21.00
100	QPSK	270	0	19.90	20.08	19.88	21.00
100	16QAM	1	1	19.95	20.05	19.93	21.00
100	64QAM	1	1	18.50	18.59	18.40	19.50
100	256QAM	1	1	16.45	16.55	16.47	17.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.07	21.05	21.02	22.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.00	21.12	20.96	22.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.08	21.06	21.07	22.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.07	21.12	21.06	22.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.08	21.11	21.00	22.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.05	21.04	21.02	22.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	21.10	21.08	20.93	22.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	21.05	21.04	20.96	22.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.02	21.05	21.04	22.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.09	21.07	20.98	22.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.02	21.03	21.04	22.00



【FR1 n77 (270)___FCC_Part 270 (3700~3980MHz)_Ant 7_DSI

7]

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.65	13.68	13.64	14.10
100	PI/2 BPSK	1	137	13.52	13.59	13.39	14.10
100	PI/2 BPSK	1	271	13.43	13.39	13.61	14.10
100	PI/2 BPSK	135	0	13.44	13.51	13.57	14.10
100	PI/2 BPSK	135	69	13.62	13.65	13.41	14.10
100	PI/2 BPSK	135	138	13.46	13.61	13.48	14.10
100	PI/2 BPSK	270	0	13.61	13.43	13.49	14.10
100	QPSK	1	1	13.48	13.52	13.40	14.10
100	QPSK	1	137	13.38	13.46	13.49	14.10
100	QPSK	1	271	13.53	13.50	13.61	14.10
100	QPSK	135	0	13.55	13.62	13.46	14.10
100	QPSK	135	69	13.43	13.38	13.49	14.10
100	QPSK	135	138	13.52	13.48	13.50	14.10
100	QPSK	270	0	13.58	13.58	13.39	14.10
100	16QAM	1	1	13.57	13.40	13.39	14.10
100	64QAM	1	1	13.49	13.39	13.48	14.10
100	256QAM	1	1	13.54	13.48	13.45	14.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.60	13.64	13.55	14.10
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.57	13.56	13.51	14.10
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.53	13.65	13.54	14.10
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.51	13.64	13.62	14.10
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.60	13.59	13.51	14.10
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.63	13.67	13.53	14.10
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	13.52	13.62	13.61	14.10
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	13.50	13.63	13.60	14.10
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.63	13.63	13.56	14.10
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.61	13.58	13.53	14.10
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.59	13.66	13.56	14.10

【FR1 n77 (270)_FCC_Part 270
(3700~3980MHz)_HPUE_Ant 7_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.62	23.69	23.66	25.00
100	PI/2 BPSK	1	137	23.45	23.61	23.51	25.00
100	PI/2 BPSK	1	271	23.48	23.63	23.45	25.00
100	PI/2 BPSK	135	0	23.09	23.18	23.07	24.50
100	PI/2 BPSK	135	69	23.48	23.66	23.51	25.00
100	PI/2 BPSK	135	138	23.02	23.15	23.10	24.50
100	PI/2 BPSK	270	0	22.99	23.11	23.05	24.50
100	QPSK	1	1	23.41	23.62	23.50	25.00
100	QPSK	1	137	23.47	23.59	23.43	25.00
100	QPSK	1	271	23.38	23.56	23.43	25.00
100	QPSK	135	0	22.62	22.73	22.60	24.00
100	QPSK	135	69	23.43	23.64	23.50	25.00
100	QPSK	135	138	22.55	22.71	22.58	24.00
100	QPSK	270	0	22.57	22.66	22.52	24.00
100	16QAM	1	1	22.60	22.69	22.64	24.00
100	64QAM	1	1	21.01	21.21	21.04	22.50
100	256QAM	1	1	19.11	19.19	19.07	20.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.60	23.63	23.64	25.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.58	23.54	23.51	25.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.53	23.63	23.51	25.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.54	23.67	23.65	25.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.47	23.56	23.56	25.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.54	23.67	23.57	25.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.58	23.58	23.63	25.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.56	23.60	23.53	25.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.51	23.61	23.62	25.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.56	23.58	23.60	25.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.48	23.68	23.65	25.00



【FR1 n77 (270)_FCC_Part 270
(3700~3980MHz)_HPUE_Ant 7_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.62	23.69	23.66	25.00
100	PI/2 BPSK	1	137	23.45	23.61	23.51	25.00
100	PI/2 BPSK	1	271	23.48	23.63	23.45	25.00
100	PI/2 BPSK	135	0	23.09	23.18	23.07	24.50
100	PI/2 BPSK	135	69	23.48	23.66	23.51	25.00
100	PI/2 BPSK	135	138	23.02	23.15	23.10	24.50
100	PI/2 BPSK	270	0	22.99	23.11	23.05	24.50
100	QPSK	1	1	23.41	23.62	23.50	25.00
100	QPSK	1	137	23.47	23.59	23.43	25.00
100	QPSK	1	271	23.38	23.56	23.43	25.00
100	QPSK	135	0	22.62	22.73	22.60	24.00
100	QPSK	135	69	23.43	23.64	23.50	25.00
100	QPSK	135	138	22.55	22.71	22.58	24.00
100	QPSK	270	0	22.57	22.66	22.52	24.00
100	16QAM	1	1	22.60	22.69	22.64	24.00
100	64QAM	1	1	21.01	21.21	21.04	22.50
100	256QAM	1	1	19.11	19.19	19.07	20.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.60	23.63	23.64	25.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.58	23.54	23.51	25.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.53	23.63	23.51	25.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.54	23.67	23.65	25.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.47	23.56	23.56	25.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.54	23.67	23.57	25.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.58	23.58	23.63	25.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.56	23.60	23.53	25.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.51	23.61	23.62	25.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.56	23.58	23.60	25.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.48	23.68	23.65	25.00



【FR1 n77 (270)___FCC_Part 270

(3700~3980MHz)_HPUE_Ant 7_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.14	17.17	17.11	18.00
100	PI/2 BPSK	1	137	17.02	17.10	16.92	18.00
100	PI/2 BPSK	1	271	16.95	17.06	16.88	18.00
100	PI/2 BPSK	135	0	17.05	17.09	16.89	18.00
100	PI/2 BPSK	135	69	17.09	17.15	17.04	18.00
100	PI/2 BPSK	135	138	17.05	17.13	17.01	18.00
100	PI/2 BPSK	270	0	16.92	17.05	16.87	18.00
100	QPSK	1	1	17.00	17.08	16.98	18.00
100	QPSK	1	137	16.91	17.06	16.89	18.00
100	QPSK	1	271	17.04	17.14	16.99	18.00
100	QPSK	135	0	17.07	17.11	17.03	18.00
100	QPSK	135	69	16.92	17.07	16.96	18.00
100	QPSK	135	138	17.02	17.06	16.86	18.00
100	QPSK	270	0	16.87	17.01	16.93	18.00
100	16QAM	1	1	16.94	17.05	16.90	18.00
100	64QAM	1	1	16.97	17.08	16.91	18.00
100	256QAM	1	1	16.86	17.04	16.95	18.00
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.13	17.08	17.02	18.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.07	17.03	17.10	18.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.08	17.11	17.08	18.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.09	17.09	16.97	18.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.02	17.05	17.01	18.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.00	17.16	17.03	18.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	17.11	17.07	17.06	18.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	17.11	17.14	17.02	18.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.01	17.11	17.06	18.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.08	17.15	17.09	18.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.11	17.16	17.02	18.00

【FR1 n77 (270)__FCC_Part 270
(3700~3980MHz)_HPUE_Ant 7_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.62	23.69	23.66	25.00
100	PI/2 BPSK	1	137	23.45	23.61	23.51	25.00
100	PI/2 BPSK	1	271	23.48	23.63	23.45	25.00
100	PI/2 BPSK	135	0	23.09	23.18	23.07	24.50
100	PI/2 BPSK	135	69	23.48	23.66	23.51	25.00
100	PI/2 BPSK	135	138	23.02	23.15	23.10	24.50
100	PI/2 BPSK	270	0	22.99	23.11	23.05	24.50
100	QPSK	1	1	23.41	23.62	23.50	25.00
100	QPSK	1	137	23.47	23.59	23.43	25.00
100	QPSK	1	271	23.38	23.56	23.43	25.00
100	QPSK	135	0	22.62	22.73	22.60	24.00
100	QPSK	135	69	23.43	23.64	23.50	25.00
100	QPSK	135	138	22.55	22.71	22.58	24.00
100	QPSK	270	0	22.57	22.66	22.52	24.00
100	16QAM	1	1	22.60	22.69	22.64	24.00
100	64QAM	1	1	21.01	21.21	21.04	22.50
100	256QAM	1	1	19.11	19.19	19.07	20.50
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.60	23.63	23.64	25.00
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.58	23.54	23.51	25.00
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.53	23.63	23.51	25.00
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.54	23.67	23.65	25.00
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.47	23.56	23.56	25.00
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.54	23.67	23.57	25.00
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	23.58	23.58	23.63	25.00
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	23.56	23.60	23.53	25.00
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.51	23.61	23.62	25.00
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.56	23.58	23.60	25.00
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.48	23.68	23.65	25.00



【FR1 n77 (270)___FCC_Part 270
(3700~3980MHz)_HPUE_Ant 7_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.15	16.16	16.13	17.10
100	PI/2 BPSK	1	137	15.92	16.03	15.94	17.10
100	PI/2 BPSK	1	271	16.10	15.95	15.98	17.10
100	PI/2 BPSK	135	0	15.95	15.90	16.01	17.10
100	PI/2 BPSK	135	69	16.09	16.15	16.00	17.10
100	PI/2 BPSK	135	138	16.01	15.96	15.94	17.10
100	PI/2 BPSK	270	0	16.02	15.95	15.97	17.10
100	QPSK	1	1	16.08	16.00	15.99	17.10
100	QPSK	1	137	16.06	15.95	16.11	17.10
100	QPSK	1	271	16.02	16.04	16.11	17.10
100	QPSK	135	0	16.10	15.91	15.93	17.10
100	QPSK	135	69	15.96	15.94	15.93	17.10
100	QPSK	135	138	15.98	16.07	15.92	17.10
100	QPSK	270	0	16.12	16.06	16.12	17.10
100	16QAM	1	1	15.88	16.09	16.09	17.10
100	64QAM	1	1	16.11	15.93	16.10	17.10
100	256QAM	1	1	16.05	16.06	16.07	17.10
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.08	16.09	16.09	17.10
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.09	16.10	16.03	17.10
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.06	16.10	16.01	17.10
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.04	16.07	15.99	17.10
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.14	16.08	16.01	17.10
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.00	16.03	16.03	17.10
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	16.07	16.10	15.98	17.10
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	16.01	16.08	16.01	17.10
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.11	16.09	16.09	17.10
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.03	16.06	16.09	17.10
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.03	16.04	16.05	17.10



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 4_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.85		24.00
100	PI/2 BPSK	1	137		22.69		24.00
100	PI/2 BPSK	1	271		22.67		24.00
100	PI/2 BPSK	135	0		22.68		24.00
100	PI/2 BPSK	135	69		22.83		24.00
100	PI/2 BPSK	135	138		22.66		24.00
100	PI/2 BPSK	270	0		22.63		24.00
100	QPSK	1	1		22.81		24.00
100	QPSK	1	137		22.61		24.00
100	QPSK	1	271		22.79		24.00
100	QPSK	135	0		22.71		24.00
100	QPSK	135	69		22.66		24.00
100	QPSK	135	138		22.78		24.00
100	QPSK	270	0		22.65		24.00
100	16QAM	1	1		22.84		24.00
100	64QAM	1	1		22.83		24.00
100	256QAM	1	1		22.03		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	22.64	22.75	22.65	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	22.51	22.67	22.50	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	22.60	22.66	22.53	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	22.60	22.67	22.52	24.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	22.57	22.66	22.51	24.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	22.60	22.65	22.58	24.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	22.62	22.68	22.60	24.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	22.61	22.70	22.62	24.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	22.58	22.67	22.62	24.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	22.57	22.68	22.54	24.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	22.62	22.61	22.51	24.00



【FR1 n78 (270)_FCC_Part 270
(3700~3800MHz)_HPUE_Ant 4_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.88		27.00
100	PI/2 BPSK	1	137		25.85		27.00
100	PI/2 BPSK	1	271		25.81		27.00
100	PI/2 BPSK	135	0		25.35		26.50
100	PI/2 BPSK	135	69		25.79		27.00
100	PI/2 BPSK	135	138		25.31		26.50
100	PI/2 BPSK	270	0		25.28		26.50
100	QPSK	1	1		25.83		27.00
100	QPSK	1	137		25.81		27.00
100	QPSK	1	271		25.75		27.00
100	QPSK	135	0		24.83		26.00
100	QPSK	135	69		25.78		27.00
100	QPSK	135	138		24.81		26.00
100	QPSK	270	0		24.78		26.00
100	16QAM	1	1		24.75		26.00
100	64QAM	1	1		23.38		24.50
100	256QAM	1	1		21.40		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.78	25.81	25.77	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.75	25.68	25.71	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.65	25.67	25.71	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.65	25.70	25.69	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.75	25.77	25.75	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.74	25.76	25.66	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.64	25.76	25.71	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.73	25.78	25.69	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.69	25.69	25.65	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.70	25.74	25.65	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.71	25.72	25.66	27.00



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 4_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.85		24.00
100	PI/2 BPSK	1	137		22.69		24.00
100	PI/2 BPSK	1	271		22.67		24.00
100	PI/2 BPSK	135	0		22.68		24.00
100	PI/2 BPSK	135	69		22.83		24.00
100	PI/2 BPSK	135	138		22.66		24.00
100	PI/2 BPSK	270	0		22.63		24.00
100	QPSK	1	1		22.81		24.00
100	QPSK	1	137		22.61		24.00
100	QPSK	1	271		22.79		24.00
100	QPSK	135	0		22.71		24.00
100	QPSK	135	69		22.66		24.00
100	QPSK	135	138		22.78		24.00
100	QPSK	270	0		22.65		24.00
100	16QAM	1	1		22.84		24.00
100	64QAM	1	1		22.83		24.00
100	256QAM	1	1		22.03		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	22.64	22.75	22.65	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	22.51	22.67	22.50	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	22.60	22.66	22.53	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	22.60	22.67	22.52	24.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	22.57	22.66	22.51	24.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	22.60	22.65	22.58	24.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	22.62	22.68	22.60	24.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	22.61	22.70	22.62	24.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	22.58	22.67	22.62	24.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	22.57	22.68	22.54	24.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	22.62	22.61	22.51	24.00



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 4_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.09		14.50
100	PI/2 BPSK	1	137		12.97		14.50
100	PI/2 BPSK	1	271		13.06		14.50
100	PI/2 BPSK	135	0		12.97		14.50
100	PI/2 BPSK	135	69		13.05		14.50
100	PI/2 BPSK	135	138		12.93		14.50
100	PI/2 BPSK	270	0		12.83		14.50
100	QPSK	1	1		12.83		14.50
100	QPSK	1	137		12.90		14.50
100	QPSK	1	271		12.86		14.50
100	QPSK	135	0		12.95		14.50
100	QPSK	135	69		13.05		14.50
100	QPSK	135	138		12.95		14.50
100	QPSK	270	0		12.99		14.50
100	16QAM	1	1		12.96		14.50
100	64QAM	1	1		12.92		14.50
100	256QAM	1	1		12.84		14.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.01	13.02	13.01	14.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	12.91	12.94	12.88	14.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	12.89	12.95	12.88	14.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	12.88	12.89	12.94	14.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	12.98	12.96	12.94	14.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	12.98	12.94	12.89	14.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	12.89	12.97	12.98	14.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	12.96	12.99	12.93	14.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	12.93	12.94	12.96	14.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	12.92	12.96	13.00	14.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	12.90	12.96	12.98	14.50



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 4_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.71		18.80
100	PI/2 BPSK	1	137		17.42		18.80
100	PI/2 BPSK	1	271		17.54		18.80
100	PI/2 BPSK	135	0		17.60		18.80
100	PI/2 BPSK	135	69		17.65		18.80
100	PI/2 BPSK	135	138		17.53		18.80
100	PI/2 BPSK	270	0		17.43		18.80
100	QPSK	1	1		17.37		18.80
100	QPSK	1	137		17.45		18.80
100	QPSK	1	271		17.53		18.80
100	QPSK	135	0		17.47		18.80
100	QPSK	135	69		17.35		18.80
100	QPSK	135	138		17.41		18.80
100	QPSK	270	0		17.57		18.80
100	16QAM	1	1		17.54		18.80
100	64QAM	1	1		17.50		18.80
100	256QAM	1	1		17.49		18.80
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.59	17.64	17.61	18.80
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.45	17.62	17.53	18.80
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.50	17.54	17.48	18.80
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.48	17.52	17.51	18.80
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.56	17.50	17.58	18.80
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.56	17.58	17.58	18.80
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.56	17.57	17.51	18.80
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.44	17.54	17.55	18.80
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.54	17.59	17.59	18.80
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.44	17.55	17.47	18.80
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.55	17.56	17.57	18.80



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 4_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.09		21.40
100	PI/2 BPSK	1	137		20.01		21.40
100	PI/2 BPSK	1	271		20.07		21.40
100	PI/2 BPSK	135	0		20.04		21.40
100	PI/2 BPSK	135	69		20.08		21.40
100	PI/2 BPSK	135	138		20.07		21.40
100	PI/2 BPSK	270	0		20.02		21.40
100	QPSK	1	1		20.11		21.40
100	QPSK	1	137		20.11		21.40
100	QPSK	1	271		20.16		21.40
100	QPSK	135	0		20.08		21.40
100	QPSK	135	69		20.14		21.40
100	QPSK	135	138		20.11		21.40
100	QPSK	270	0		20.14		21.40
100	16QAM	1	1		20.08		21.40
100	64QAM	1	1		19.93		21.40
100	256QAM	1	1		20.07		21.40
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.05	20.03	20.01	21.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	19.92	19.98	19.93	21.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	19.95	19.90	19.87	21.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	19.96	19.95	19.92	21.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	19.94	19.94	19.96	21.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.02	19.95	19.96	21.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.02	19.94	19.93	21.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.02	19.93	19.91	21.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.02	19.98	19.98	21.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	19.98	19.94	19.98	21.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	19.91	19.91	19.86	21.40



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 4_DSI

7]

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.95		16.10
100	PI/2 BPSK	1	137		14.75		16.10
100	PI/2 BPSK	1	271		14.86		16.10
100	PI/2 BPSK	135	0		14.88		16.10
100	PI/2 BPSK	135	69		14.91		16.10
100	PI/2 BPSK	135	138		14.73		16.10
100	PI/2 BPSK	270	0		14.91		16.10
100	QPSK	1	1		14.88		16.10
100	QPSK	1	137		14.76		16.10
100	QPSK	1	271		14.69		16.10
100	QPSK	135	0		14.75		16.10
100	QPSK	135	69		14.90		16.10
100	QPSK	135	138		14.76		16.10
100	QPSK	270	0		14.82		16.10
100	16QAM	1	1		14.76		16.10
100	64QAM	1	1		14.83		16.10
100	256QAM	1	1		14.90		16.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.91	14.89	14.83	16.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.86	14.87	14.79	16.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.83	14.77	14.74	16.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.78	14.75	14.74	16.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.78	14.78	14.70	16.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.83	14.76	14.76	16.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.80	14.81	14.72	16.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.81	14.80	14.79	16.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.82	14.81	14.76	16.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.78	14.78	14.76	16.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.78	14.76	14.73	16.10



【FR1 n78 (270)_FCC_Part 270
(3700~3800MHz)_HPUE_Ant 4_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.88		27.00
100	PI/2 BPSK	1	137		25.85		27.00
100	PI/2 BPSK	1	271		25.81		27.00
100	PI/2 BPSK	135	0		25.35		26.50
100	PI/2 BPSK	135	69		25.79		27.00
100	PI/2 BPSK	135	138		25.31		26.50
100	PI/2 BPSK	270	0		25.28		26.50
100	QPSK	1	1		25.83		27.00
100	QPSK	1	137		25.81		27.00
100	QPSK	1	271		25.75		27.00
100	QPSK	135	0		24.83		26.00
100	QPSK	135	69		25.78		27.00
100	QPSK	135	138		24.81		26.00
100	QPSK	270	0		24.78		26.00
100	16QAM	1	1		24.75		26.00
100	64QAM	1	1		23.38		24.50
100	256QAM	1	1		21.40		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	25.78	25.81	25.77	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	25.75	25.68	25.71	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	25.65	25.67	25.71	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	25.65	25.70	25.69	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	25.75	25.77	25.75	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	25.74	25.76	25.66	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	25.64	25.76	25.71	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	25.73	25.78	25.69	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	25.69	25.69	25.65	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	25.70	25.74	25.65	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	25.71	25.72	25.66	27.00

【FR1 n78 (270)_FCC_Part 270
(3700~3800MHz)_HPUE_Ant 4_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.11		17.50
100	PI/2 BPSK	1	137		16.09		17.50
100	PI/2 BPSK	1	271		15.98		17.50
100	PI/2 BPSK	135	0		16.02		17.50
100	PI/2 BPSK	135	69		16.09		17.50
100	PI/2 BPSK	135	138		16.05		17.50
100	PI/2 BPSK	270	0		16.12		17.50
100	QPSK	1	1		15.96		17.50
100	QPSK	1	137		15.92		17.50
100	QPSK	1	271		15.91		17.50
100	QPSK	135	0		15.97		17.50
100	QPSK	135	69		15.98		17.50
100	QPSK	135	138		16.05		17.50
100	QPSK	270	0		16.01		17.50
100	16QAM	1	1		16.06		17.50
100	64QAM	1	1		16.02		17.50
100	256QAM	1	1		16.07		17.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	16.03	16.02	16.01	17.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.96	15.92	15.87	17.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.93	15.95	15.87	17.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.01	15.96	15.91	17.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.99	15.91	15.92	17.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.98	15.95	15.92	17.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.97	15.97	15.90	17.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.02	15.92	15.94	17.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.99	15.93	15.94	17.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.00	15.89	15.97	17.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.93	15.87	15.94	17.50



【FR1 n78 (270)_FCC_Part 270
(3700~3800MHz)_HPUE_Ant 4_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.72		21.80
100	PI/2 BPSK	1	137		20.63		21.80
100	PI/2 BPSK	1	271		20.50		21.80
100	PI/2 BPSK	135	0		20.54		21.80
100	PI/2 BPSK	135	69		20.65		21.80
100	PI/2 BPSK	135	138		20.62		21.80
100	PI/2 BPSK	270	0		20.42		21.80
100	QPSK	1	1		20.37		21.80
100	QPSK	1	137		20.41		21.80
100	QPSK	1	271		20.40		21.80
100	QPSK	135	0		20.47		21.80
100	QPSK	135	69		20.29		21.80
100	QPSK	135	138		20.45		21.80
100	QPSK	270	0		20.47		21.80
100	16QAM	1	1		20.31		21.80
100	64QAM	1	1		20.37		21.80
100	256QAM	1	1		20.30		21.80
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.58	20.61	20.55	21.80
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.57	20.59	20.48	21.80
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.49	20.59	20.42	21.80
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.46	20.58	20.45	21.80
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.52	20.49	20.46	21.80
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.55	20.59	20.45	21.80
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.49	20.53	20.53	21.80
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.53	20.50	20.44	21.80
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.52	20.58	20.45	21.80
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.52	20.58	20.53	21.80
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.44	20.49	20.43	21.80



【FR1 n78 (270)_FCC_Part 270
(3700~3800MHz)_HPUE_Ant 4_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.21		24.40
100	PI/2 BPSK	1	137		23.12		24.40
100	PI/2 BPSK	1	271		23.04		24.40
100	PI/2 BPSK	135	0		23.13		24.40
100	PI/2 BPSK	135	69		23.11		24.40
100	PI/2 BPSK	135	138		23.07		24.40
100	PI/2 BPSK	270	0		22.98		24.40
100	QPSK	1	1		22.99		24.40
100	QPSK	1	137		23.02		24.40
100	QPSK	1	271		23.20		24.40
100	QPSK	135	0		23.11		24.40
100	QPSK	135	69		22.98		24.40
100	QPSK	135	138		23.07		24.40
100	QPSK	270	0		23.18		24.40
100	16QAM	1	1		23.19		24.40
100	64QAM	1	1		23.07		24.40
100	256QAM	1	1		21.05		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.15	23.11	23.16	24.40
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.05	22.96	23.08	24.40
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.06	23.09	23.07	24.40
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.05	23.08	23.03	24.40
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.11	23.08	23.10	24.40
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.02	22.98	23.06	24.40
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.04	23.07	23.06	24.40
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.01	22.97	23.15	24.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.09	23.02	23.09	24.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.08	23.03	23.05	24.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.10	22.98	23.07	24.40



【FR1 n78 (270)_FCC_Part 270
(3700~3800MHz)_HPUE_Ant 4_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.95		19.10
100	PI/2 BPSK	1	137		17.71		19.10
100	PI/2 BPSK	1	271		17.78		19.10
100	PI/2 BPSK	135	0		17.83		19.10
100	PI/2 BPSK	135	69		17.91		19.10
100	PI/2 BPSK	135	138		17.83		19.10
100	PI/2 BPSK	270	0		17.85		19.10
100	QPSK	1	1		17.80		19.10
100	QPSK	1	137		17.74		19.10
100	QPSK	1	271		17.91		19.10
100	QPSK	135	0		17.78		19.10
100	QPSK	135	69		17.70		19.10
100	QPSK	135	138		17.84		19.10
100	QPSK	270	0		17.74		19.10
100	16QAM	1	1		17.85		19.10
100	64QAM	1	1		17.84		19.10
100	256QAM	1	1		17.74		19.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.91	17.88	17.83	19.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	17.88	17.81	17.71	19.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	17.80	17.85	17.75	19.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	17.88	17.81	17.72	19.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.88	17.81	17.77	19.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	17.86	17.82	17.80	19.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	17.90	17.86	17.68	19.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	17.89	17.74	17.79	19.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	17.89	17.84	17.77	19.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	17.89	17.85	17.76	19.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.86	17.78	17.74	19.10



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 5_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.49		21.50
100	PI/2 BPSK	1	137		20.38		21.50
100	PI/2 BPSK	1	271		20.27		21.50
100	PI/2 BPSK	135	0		19.98		21.00
100	PI/2 BPSK	135	69		20.38		21.50
100	PI/2 BPSK	135	138		20.01		21.00
100	PI/2 BPSK	270	0		19.80		21.00
100	QPSK	1	1		20.42		21.50
100	QPSK	1	137		20.33		21.50
100	QPSK	1	271		20.26		21.50
100	QPSK	135	0		19.58		20.50
100	QPSK	135	69		20.30		21.50
100	QPSK	135	138		19.44		20.50
100	QPSK	270	0		19.47		20.50
100	16QAM	1	1		19.47		20.50
100	64QAM	1	1		17.85		19.00
100	256QAM	1	1		15.88		17.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.41	20.44	20.39	21.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.31	20.41	20.30	21.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.29	20.40	20.28	21.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.30	20.37	20.35	21.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.36	20.37	20.37	21.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.40	20.33	20.32	21.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.35	20.37	20.31	21.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.29	20.40	20.30	21.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.34	20.39	20.31	21.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.35	20.29	20.37	21.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.33	20.37	20.24	21.50



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 5_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.49		21.50
100	PI/2 BPSK	1	137		20.38		21.50
100	PI/2 BPSK	1	271		20.27		21.50
100	PI/2 BPSK	135	0		19.98		21.00
100	PI/2 BPSK	135	69		20.38		21.50
100	PI/2 BPSK	135	138		20.01		21.00
100	PI/2 BPSK	270	0		19.80		21.00
100	QPSK	1	1		20.42		21.50
100	QPSK	1	137		20.33		21.50
100	QPSK	1	271		20.26		21.50
100	QPSK	135	0		19.58		20.50
100	QPSK	135	69		20.30		21.50
100	QPSK	135	138		19.44		20.50
100	QPSK	270	0		19.47		20.50
100	16QAM	1	1		19.47		20.50
100	64QAM	1	1		17.85		19.00
100	256QAM	1	1		15.88		17.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.41	20.44	20.39	21.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.31	20.41	20.30	21.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.29	20.40	20.28	21.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.30	20.37	20.35	21.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.36	20.37	20.37	21.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.40	20.33	20.32	21.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.35	20.37	20.31	21.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.29	20.40	20.30	21.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.34	20.39	20.31	21.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.35	20.29	20.37	21.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.33	20.37	20.24	21.50



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 5_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		12.56		13.80
100	PI/2 BPSK	1	137		12.42		13.80
100	PI/2 BPSK	1	271		12.35		13.80
100	PI/2 BPSK	135	0		12.50		13.80
100	PI/2 BPSK	135	69		12.54		13.80
100	PI/2 BPSK	135	138		12.40		13.80
100	PI/2 BPSK	270	0		12.25		13.80
100	QPSK	1	1		12.36		13.80
100	QPSK	1	137		12.30		13.80
100	QPSK	1	271		12.44		13.80
100	QPSK	135	0		12.48		13.80
100	QPSK	135	69		12.31		13.80
100	QPSK	135	138		12.53		13.80
100	QPSK	270	0		12.43		13.80
100	16QAM	1	1		12.46		13.80
100	64QAM	1	1		12.25		13.80
100	256QAM	1	1		12.44		13.80
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	12.46	12.49	12.43	13.80
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	12.37	12.38	12.38	13.80
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	12.37	12.48	12.35	13.80
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	12.35	12.45	12.38	13.80
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	12.35	12.48	12.29	13.80
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	12.31	12.45	12.37	13.80
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	12.36	12.41	12.37	13.80
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	12.35	12.44	12.37	13.80
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	12.36	12.38	12.32	13.80
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	12.37	12.47	12.38	13.80
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	12.37	12.44	12.29	13.80



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 5_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.05		17.10
100	PI/2 BPSK	1	137		15.91		17.10
100	PI/2 BPSK	1	271		15.95		17.10
100	PI/2 BPSK	135	0		15.88		17.10
100	PI/2 BPSK	135	69		16.02		17.10
100	PI/2 BPSK	135	138		15.97		17.10
100	PI/2 BPSK	270	0		15.85		17.10
100	QPSK	1	1		15.94		17.10
100	QPSK	1	137		15.91		17.10
100	QPSK	1	271		16.01		17.10
100	QPSK	135	0		15.85		17.10
100	QPSK	135	69		15.84		17.10
100	QPSK	135	138		15.75		17.10
100	QPSK	270	0		15.77		17.10
100	16QAM	1	1		15.80		17.10
100	64QAM	1	1		15.90		17.10
100	256QAM	1	1		15.75		17.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.95	15.98	15.93	17.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.85	15.84	15.80	17.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.82	15.88	15.87	17.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.90	15.95	15.85	17.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.89	15.88	15.88	17.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.92	15.91	15.91	17.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.84	15.92	15.89	17.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.90	15.90	15.86	17.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.89	15.85	15.88	17.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.81	15.87	15.78	17.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.91	15.89	15.82	17.10



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 5_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.49		21.50
100	PI/2 BPSK	1	137		20.38		21.50
100	PI/2 BPSK	1	271		20.27		21.50
100	PI/2 BPSK	135	0		19.98		21.00
100	PI/2 BPSK	135	69		20.38		21.50
100	PI/2 BPSK	135	138		20.01		21.00
100	PI/2 BPSK	270	0		19.80		21.00
100	QPSK	1	1		20.42		21.50
100	QPSK	1	137		20.33		21.50
100	QPSK	1	271		20.26		21.50
100	QPSK	135	0		19.58		20.50
100	QPSK	135	69		20.30		21.50
100	QPSK	135	138		19.44		20.50
100	QPSK	270	0		19.47		20.50
100	16QAM	1	1		19.47		20.50
100	64QAM	1	1		17.85		19.00
100	256QAM	1	1		15.88		17.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	20.41	20.44	20.39	21.50
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.31	20.41	20.30	21.50
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	20.29	20.40	20.28	21.50
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.30	20.37	20.35	21.50
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.36	20.37	20.37	21.50
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.40	20.33	20.32	21.50
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.35	20.37	20.31	21.50
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.29	20.40	20.30	21.50
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.34	20.39	20.31	21.50
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.35	20.29	20.37	21.50
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.33	20.37	20.24	21.50



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 5_DSI

7]

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		11.89		13.20
100	PI/2 BPSK	1	137		11.78		13.20
100	PI/2 BPSK	1	271		11.64		13.20
100	PI/2 BPSK	135	0		11.75		13.20
100	PI/2 BPSK	135	69		11.85		13.20
100	PI/2 BPSK	135	138		11.80		13.20
100	PI/2 BPSK	270	0		11.69		13.20
100	QPSK	1	1		11.66		13.20
100	QPSK	1	137		11.75		13.20
100	QPSK	1	271		11.65		13.20
100	QPSK	135	0		11.69		13.20
100	QPSK	135	69		11.71		13.20
100	QPSK	135	138		11.76		13.20
100	QPSK	270	0		11.81		13.20
100	16QAM	1	1		11.62		13.20
100	64QAM	1	1		11.79		13.20
100	256QAM	1	1		11.58		13.20
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	11.81	11.79	11.73	13.20
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	11.79	11.76	11.66	13.20
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	11.74	11.71	11.70	13.20
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	11.73	11.66	11.63	13.20
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	11.69	11.72	11.67	13.20
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	11.80	11.76	11.67	13.20
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	11.68	11.69	11.70	13.20
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	11.77	11.74	11.60	13.20
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	11.76	11.71	11.62	13.20
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	11.68	11.76	11.61	13.20
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	11.68	11.77	11.64	13.20



【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 6_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.26		24.00
100	PI/2 BPSK	1	137		23.14		24.00
100	PI/2 BPSK	1	271		23.16		24.00
100	PI/2 BPSK	135	0		23.17		24.00
100	PI/2 BPSK	135	69		23.19		24.00
100	PI/2 BPSK	135	138		23.13		24.00
100	PI/2 BPSK	270	0		23.13		24.00
100	QPSK	1	1		23.15		24.00
100	QPSK	1	137		23.14		24.00
100	QPSK	1	271		23.19		24.00
100	QPSK	135	0		23.21		24.00
100	QPSK	135	69		23.17		24.00
100	QPSK	135	138		23.12		24.00
100	QPSK	270	0		23.17		24.00
100	16QAM	1	1		23.21		24.00
100	64QAM	1	1		23.17		24.00
100	256QAM	1	1		22.30		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.15	23.18	23.12	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.00	23.16	23.04	24.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.01	23.12	23.03	24.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.06	23.14	23.00	24.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.12	23.16	23.09	24.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.01	23.03	22.98	24.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.07	23.10	23.03	24.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.05	23.05	23.01	24.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.07	23.16	23.11	24.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.00	23.16	23.00	24.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.00	23.12	23.09	24.00

【FR1 n78 (270)_FCC_Part 270

(3700~3800MHz)_HPUE_Ant 6_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.30		27.00
100	PI/2 BPSK	1	137		26.25		27.00
100	PI/2 BPSK	1	271		26.21		27.00
100	PI/2 BPSK	135	0		25.77		26.50
100	PI/2 BPSK	135	69		26.23		27.00
100	PI/2 BPSK	135	138		25.75		26.50



100	PI/2 BPSK	270	0		25.71		26.50
100	QPSK	1	1		26.18		27.00
100	QPSK	1	137		26.15		27.00
100	QPSK	1	271		26.13		27.00
100	QPSK	135	0		25.28		26.00
100	QPSK	135	69		26.18		27.00
100	QPSK	135	138		25.23		26.00
100	QPSK	270	0		25.21		26.00
100	16QAM	1	1		25.18		26.00
100	64QAM	1	1		23.73		24.50
100	256QAM	1	1		21.68		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.18	26.22	26.15	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.12	26.08	26.00	27.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	26.12	26.20	26.05	27.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	26.17	26.20	26.07	27.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	26.13	26.17	26.05	27.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	26.10	26.09	26.11	27.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	26.12	26.19	26.04	27.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	26.16	26.12	26.02	27.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	26.15	26.13	26.03	27.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	26.04	26.17	26.08	27.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	26.12	26.17	26.11	27.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 6_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.26		24.00
100	PI/2 BPSK	1	137		23.14		24.00
100	PI/2 BPSK	1	271		23.16		24.00
100	PI/2 BPSK	135	0		23.17		24.00
100	PI/2 BPSK	135	69		23.19		24.00
100	PI/2 BPSK	135	138		23.13		24.00
100	PI/2 BPSK	270	0		23.13		24.00
100	QPSK	1	1		23.15		24.00
100	QPSK	1	137		23.14		24.00
100	QPSK	1	271		23.19		24.00
100	QPSK	135	0		23.21		24.00
100	QPSK	135	69		23.17		24.00
100	QPSK	135	138		23.12		24.00
100	QPSK	270	0		23.17		24.00
100	16QAM	1	1		23.21		24.00
100	64QAM	1	1		23.17		24.00
100	256QAM	1	1		22.30		23.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.15	23.18	23.12	24.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)



80	PI/2 BPSK	1	1	23.00	23.16	23.04	24.00
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.01	23.12	23.03	24.00
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.06	23.14	23.00	24.00
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.12	23.16	23.09	24.00
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.01	23.03	22.98	24.00
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	23.07	23.10	23.03	24.00
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	23.05	23.05	23.01	24.00
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.07	23.16	23.11	24.00
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.00	23.16	23.00	24.00
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.00	23.12	23.09	24.00

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 6_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		11.15		12.40
100	PI/2 BPSK	1	137		10.95		12.40
100	PI/2 BPSK	1	271		11.02		12.40
100	PI/2 BPSK	135	0		11.04		12.40
100	PI/2 BPSK	135	69		11.12		12.40
100	PI/2 BPSK	135	138		11.10		12.40
100	PI/2 BPSK	270	0		11.09		12.40
100	QPSK	1	1		11.05		12.40
100	QPSK	1	137		10.93		12.40
100	QPSK	1	271		11.02		12.40
100	QPSK	135	0		11.16		12.40
100	QPSK	135	69		11.00		12.40
100	QPSK	135	138		10.94		12.40
100	QPSK	270	0		11.09		12.40
100	16QAM	1	1		11.12		12.40
100	64QAM	1	1		10.98		12.40
100	256QAM	1	1		11.00		12.40
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	11.05	11.06	11.03	12.40
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	10.90	10.96	10.93	12.40
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	10.93	11.00	11.02	12.40
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	10.96	11.00	10.99	12.40
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	10.92	10.98	10.92	12.40
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	10.92	11.01	10.91	12.40
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	10.92	10.98	10.97	12.40



Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	11.03	10.99	10.92	12.40
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	10.96	10.94	10.91	12.40
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	10.97	11.04	10.91	12.40
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	10.96	11.04	10.93	12.40

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 6_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.85		16.10
100	PI/2 BPSK	1	137		14.73		16.10
100	PI/2 BPSK	1	271		14.74		16.10
100	PI/2 BPSK	135	0		14.70		16.10
100	PI/2 BPSK	135	69		14.82		16.10
100	PI/2 BPSK	135	138		14.79		16.10
100	PI/2 BPSK	270	0		14.62		16.10
100	QPSK	1	1		14.72		16.10
100	QPSK	1	137		14.60		16.10
100	QPSK	1	271		14.72		16.10
100	QPSK	135	0		14.63		16.10
100	QPSK	135	69		14.72		16.10
100	QPSK	135	138		14.59		16.10
100	QPSK	270	0		14.58		16.10
100	16QAM	1	1		14.78		16.10
100	64QAM	1	1		14.68		16.10
100	256QAM	1	1		14.65		16.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.75	14.79	14.73	16.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.66	14.65	14.69	16.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.61	14.69	14.72	16.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.73	14.65	14.60	16.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.61	14.78	14.68	16.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.63	14.77	14.69	16.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.67	14.69	14.61	16.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.70	14.76	14.69	16.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.69	14.77	14.63	16.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.60	14.69	14.61	16.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.60	14.69	14.65	16.10



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 6_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.21		17.40
100	PI/2 BPSK	1	137		16.05		17.40
100	PI/2 BPSK	1	271		16.01		17.40
100	PI/2 BPSK	135	0		16.10		17.40
100	PI/2 BPSK	135	69		16.19		17.40
100	PI/2 BPSK	135	138		16.18		17.40
100	PI/2 BPSK	270	0		16.14		17.40
100	QPSK	1	1		16.03		17.40
100	QPSK	1	137		16.00		17.40
100	QPSK	1	271		16.14		17.40
100	QPSK	135	0		16.13		17.40
100	QPSK	135	69		16.14		17.40
100	QPSK	135	138		16.10		17.40
100	QPSK	270	0		16.11		17.40
100	16QAM	1	1		16.00		17.40
100	64QAM	1	1		16.02		17.40
100	256QAM	1	1		16.17		17.40
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.15	16.13	16.15	17.40
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.03	16.08	16.00	17.40
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.03	15.99	16.11	17.40
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	16.01	16.06	16.10	17.40
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.05	16.10	16.05	17.40
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.12	16.01	16.06	17.40
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	16.11	16.07	16.10	17.40
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	16.12	16.00	16.01	17.40
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.14	16.06	16.13	17.40
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	16.07	16.07	16.03	17.40
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	16.11	16.10	16.03	17.40

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 6_DSI

7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.68		10.90
100	PI/2 BPSK	1	137		9.47		10.90
100	PI/2 BPSK	1	271		9.53		10.90
100	PI/2 BPSK	135	0		9.61		10.90
100	PI/2 BPSK	135	69		9.65		10.90
100	PI/2 BPSK	135	138		9.44		10.90
100	PI/2 BPSK	270	0		9.55		10.90
100	QPSK	1	1		9.38		10.90



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100	QPSK	1	137		9.53		10.90
100	QPSK	1	271		9.40		10.90
100	QPSK	135	0		9.46		10.90
100	QPSK	135	69		9.39		10.90
100	QPSK	135	138		9.59		10.90
100	QPSK	270	0		9.41		10.90
100	16QAM	1	1		9.61		10.90
100	64QAM	1	1		9.52		10.90
100	256QAM	1	1		9.46		10.90
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	9.61	9.59	9.51	10.90
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	9.49	9.54	9.48	10.90
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	9.54	9.52	9.40	10.90
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	9.49	9.54	9.46	10.90
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	9.56	9.49	9.49	10.90
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	9.55	9.47	9.48	10.90
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	9.50	9.53	9.39	10.90
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	9.56	9.46	9.37	10.90
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	9.46	9.45	9.45	10.90
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	9.58	9.57	9.40	10.90
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	9.52	9.51	9.43	10.90

【FR1 n78 (270)_FCC_Part 270

(3700~3800MHz)_HPUE_Ant 6_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.30		27.00
100	PI/2 BPSK	1	137		26.25		27.00
100	PI/2 BPSK	1	271		26.21		27.00
100	PI/2 BPSK	135	0		25.77		26.50
100	PI/2 BPSK	135	69		26.23		27.00
100	PI/2 BPSK	135	138		25.75		26.50
100	PI/2 BPSK	270	0		25.71		26.50
100	QPSK	1	1		26.18		27.00
100	QPSK	1	137		26.15		27.00
100	QPSK	1	271		26.13		27.00
100	QPSK	135	0		25.28		26.00
100	QPSK	135	69		26.18		27.00
100	QPSK	135	138		25.23		26.00
100	QPSK	270	0		25.21		26.00
100	16QAM	1	1		25.18		26.00
100	64QAM	1	1		23.73		24.50
100	256QAM	1	1		21.68		22.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	26.18	26.22	26.15	27.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	26.12	26.08	26.00	27.00
Channel				649000	650000	651000	Tune-up limit



70	Frequency (MHz)	3735	3750	3765	(dBm)
	PI/2 BPSK	26.12	26.20	26.05	27.00
	Channel	648668	650000	651332	Tune-up limit (dBm)
	Frequency (MHz)	3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	26.17	26.20	26.07	27.00
	Channel	648334	650000	651666	Tune-up limit (dBm)
	Frequency (MHz)	3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	26.13	26.17	26.05	27.00
	Channel	648000	650000	652000	Tune-up limit (dBm)
	Frequency (MHz)	3720	3750	3780	(dBm)
40	PI/2 BPSK	26.10	26.09	26.11	27.00
	Channel	647668	650000	652332	Tune-up limit (dBm)
	Frequency (MHz)	3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	26.12	26.19	26.04	27.00
	Channel	647500	650000	652500	Tune-up limit (dBm)
	Frequency (MHz)	3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	26.16	26.12	26.02	27.00
	Channel	647334	650000	652666	Tune-up limit (dBm)
	Frequency (MHz)	3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	26.15	26.13	26.03	27.00
	Channel	647168	650000	652832	Tune-up limit (dBm)
	Frequency (MHz)	3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	26.04	26.17	26.08	27.00
	Channel	647000	650000	653000	Tune-up limit (dBm)
	Frequency (MHz)	3705	3750	3795	(dBm)
10	PI/2 BPSK	26.12	26.17	26.11	27.00

【FR1 n78 (270)_FCC_Part 270

(3700~3800MHz)_HPUE_Ant 6_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
	Channel				650000		
	Frequency (MHz)				3750		
100	PI/2 BPSK	1	1		14.27		15.40
100	PI/2 BPSK	1	137		14.06		15.40
100	PI/2 BPSK	1	271		14.10		15.40
100	PI/2 BPSK	135	0		14.04		15.40
100	PI/2 BPSK	135	69		14.24		15.40
100	PI/2 BPSK	135	138		14.22		15.40
100	PI/2 BPSK	270	0		14.08		15.40
100	QPSK	1	1		14.05		15.40
100	QPSK	1	137		14.23		15.40
100	QPSK	1	271		14.26		15.40
100	QPSK	135	0		14.05		15.40
100	QPSK	135	69		14.22		15.40
100	QPSK	135	138		14.14		15.40
100	QPSK	270	0		14.10		15.40
100	16QAM	1	1		14.07		15.40
100	64QAM	1	1		14.16		15.40
100	256QAM	1	1		14.18		15.40
	Channel			649668	650000	650332	Tune-up limit (dBm)
	Frequency (MHz)			3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.25	14.20	14.21	15.40
	Channel			649334	650000	650666	Tune-up limit (dBm)
	Frequency (MHz)			3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.22	14.09	14.19	15.40
	Channel			649000	650000	651000	Tune-up limit (dBm)
	Frequency (MHz)			3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.20	14.18	14.14	15.40
	Channel			648668	650000	651332	Tune-up limit (dBm)
	Frequency (MHz)			3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.11	14.17	14.19	15.40
	Channel			648334	650000	651666	Tune-up limit (dBm)
	Frequency (MHz)			3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.14	14.14	14.20	15.40
	Channel			648000	650000	652000	Tune-up limit (dBm)
	Frequency (MHz)			3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.21	14.16	14.08	15.40
	Channel			647668	650000	652332	Tune-up limit (dBm)
	Frequency (MHz)			3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.23	14.17	14.15	15.40
	Channel			647500	650000	652500	Tune-up limit (dBm)
	Frequency (MHz)			3712.5	3750	3787.5	(dBm)



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25	PI/2 BPSK	1	1	14.16	14.06	14.07	15.40
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	14.23	14.19	14.11	15.40
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	14.18	14.16	14.10	15.40
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	14.17	14.13	14.12	15.40

【FR1 n78 (270)_FCC_Part 270

(3700~3800MHz)_HPUE_Ant 6_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.86		19.10
100	PI/2 BPSK	1	137		17.84		19.10
100	PI/2 BPSK	1	271		17.77		19.10
100	PI/2 BPSK	135	0		17.75		19.10
100	PI/2 BPSK	135	69		17.77		19.10
100	PI/2 BPSK	135	138		17.65		19.10
100	PI/2 BPSK	270	0		17.73		19.10
100	QPSK	1	1		17.75		19.10
100	QPSK	1	137		17.77		19.10
100	QPSK	1	271		17.75		19.10
100	QPSK	135	0		17.59		19.10
100	QPSK	135	69		17.78		19.10
100	QPSK	135	138		17.71		19.10
100	QPSK	270	0		17.83		19.10
100	16QAM	1	1		17.72		19.10
100	64QAM	1	1		17.75		19.10
100	256QAM	1	1		17.73		19.10
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.71	17.75	17.68	19.10
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.56	17.63	17.65	19.10
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.65	17.68	17.62	19.10
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.61	17.61	17.65	19.10
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.62	17.65	17.54	19.10
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.70	17.68	17.61	19.10
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	17.60	17.60	17.60	19.10
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	17.61	17.60	17.60	19.10
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.62	17.70	17.61	19.10
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.61	17.74	17.59	19.10
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.61	17.60	17.62	19.10

【FR1 n78 (270)___FCC_Part 270
(3700~3800MHz)_HPUE_Ant 6_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.51		20.40
100	PI/2 BPSK	1	137		19.47		20.40
100	PI/2 BPSK	1	271		19.41		20.40
100	PI/2 BPSK	135	0		19.37		20.40
100	PI/2 BPSK	135	69		19.50		20.40
100	PI/2 BPSK	135	138		19.39		20.40
100	PI/2 BPSK	270	0		19.40		20.40
100	QPSK	1	1		19.31		20.40
100	QPSK	1	137		19.29		20.40
100	QPSK	1	271		19.39		20.40
100	QPSK	135	0		19.46		20.40
100	QPSK	135	69		19.37		20.40
100	QPSK	135	138		19.49		20.40
100	QPSK	270	0		19.46		20.40
100	16QAM	1	1		19.31		20.40
100	64QAM	1	1		19.45		20.40
100	256QAM	1	1		19.40		20.40
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.41	19.35	19.36	20.40
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.33	19.23	19.25	20.40
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.40	19.26	19.34	20.40
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.32	19.29	19.26	20.40
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.33	19.27	19.30	20.40
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.28	19.32	19.22	20.40
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1	19.31	19.21	19.33	20.40
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1	19.29	19.29	19.34	20.40
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.38	19.25	19.23	20.40
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.37	19.30	19.25	20.40
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.39	19.29	19.32	20.40

【FR1 n78 (270)___FCC_Part 270
(3700~3800MHz)_HPUE_Ant 6_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		12.65		13.90
100	PI/2 BPSK	1	137		12.40		13.90
100	PI/2 BPSK	1	271		12.61		13.90
100	PI/2 BPSK	135	0		12.46		13.90
100	PI/2 BPSK	135	69		12.61		13.90
100	PI/2 BPSK	135	138		12.50		13.90
100	PI/2 BPSK	270	0		12.40		13.90



100	QPSK	1	1		12.60		13.90
100	QPSK	1	137		12.46		13.90
100	QPSK	1	271		12.44		13.90
100	QPSK	135	0		12.49		13.90
100	QPSK	135	69		12.52		13.90
100	QPSK	135	138		12.45		13.90
100	QPSK	270	0		12.50		13.90
100	16QAM	1	1		12.61		13.90
100	64QAM	1	1		12.57		13.90
100	256QAM	1	1		12.48		13.90
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	12.61	12.59	12.51	13.90
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	12.49	12.50	12.39	13.90
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	12.53	12.51	12.47	13.90
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	12.48	12.50	12.46	13.90
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	12.49	12.45	12.45	13.90
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	12.48	12.56	12.45	13.90
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	12.51	12.53	12.49	13.90
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	12.54	12.55	12.36	13.90
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	12.49	12.56	12.46	13.90
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	12.59	12.50	12.41	13.90
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	12.55	12.45	12.41	13.90

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 7_Full

Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.13		22.00
100	PI/2 BPSK	1	137		20.96		22.00
100	PI/2 BPSK	1	271		20.94		22.00
100	PI/2 BPSK	135	0		20.43		21.50
100	PI/2 BPSK	135	69		21.07		22.00
100	PI/2 BPSK	135	138		20.46		21.50
100	PI/2 BPSK	270	0		20.24		21.50
100	QPSK	1	1		20.74		22.00
100	QPSK	1	137		20.83		22.00
100	QPSK	1	271		20.79		22.00
100	QPSK	135	0		19.82		21.00
100	QPSK	135	69		20.82		22.00
100	QPSK	135	138		19.74		21.00
100	QPSK	270	0		19.92		21.00
100	16QAM	1	1		19.74		21.00
100	64QAM	1	1		18.30		19.50
100	256QAM	1	1		16.23		17.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	21.01	21.08	21.05	22.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.98	21.00	20.95	22.00



Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	21.00	20.94	21.00	22.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.96	21.03	21.03	22.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.95	20.97	21.00	22.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.88	20.93	20.99	22.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.97	20.98	20.91	22.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.91	20.94	21.01	22.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.91	21.03	20.94	22.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.92	20.99	21.03	22.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.92	20.98	21.01	22.00

【FR1 n78 (270)_FCC_Part 270

(3700~3800MHz)_HPUE_Ant 7_Full Power】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.63		25.00
100	PI/2 BPSK	1	137		23.37		25.00
100	PI/2 BPSK	1	271		23.26		25.00
100	PI/2 BPSK	135	0		22.90		24.50
100	PI/2 BPSK	135	69		23.57		25.00
100	PI/2 BPSK	135	138		23.05		24.50
100	PI/2 BPSK	270	0		23.02		24.50
100	QPSK	1	1		23.45		25.00
100	QPSK	1	137		23.45		25.00
100	QPSK	1	271		23.42		25.00
100	QPSK	135	0		22.56		24.00
100	QPSK	135	69		23.48		25.00
100	QPSK	135	138		22.45		24.00
100	QPSK	270	0		22.49		24.00
100	16QAM	1	1		22.45		24.00
100	64QAM	1	1		20.85		22.50
100	256QAM	1	1		19.03		20.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.48	23.52	23.45	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.37	23.48	23.44	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.44	23.49	23.41	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.43	23.41	23.43	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.34	23.41	23.36	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.41	23.46	23.39	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.46	23.44	23.36	25.00
Channel				647500	650000	652500	Tune-up limit



Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.43	23.43	23.34	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.33	23.42	23.43	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.35	23.46	23.41	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.38	23.50	23.33	25.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 7_DSI

4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.13		22.00
100	PI/2 BPSK	1	137		20.96		22.00
100	PI/2 BPSK	1	271		20.94		22.00
100	PI/2 BPSK	135	0		20.43		21.50
100	PI/2 BPSK	135	69		21.07		22.00
100	PI/2 BPSK	135	138		20.46		21.50
100	PI/2 BPSK	270	0		20.24		21.50
100	QPSK	1	1		20.74		22.00
100	QPSK	1	137		20.83		22.00
100	QPSK	1	271		20.79		22.00
100	QPSK	135	0		19.82		21.00
100	QPSK	135	69		20.82		22.00
100	QPSK	135	138		19.74		21.00
100	QPSK	270	0		19.92		21.00
100	16QAM	1	1		19.74		21.00
100	64QAM	1	1		18.30		19.50
100	256QAM	1	1		16.23		17.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	21.01	21.08	21.05	22.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.98	21.00	20.95	22.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	21.00	20.94	21.00	22.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.96	21.03	21.03	22.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.95	20.97	21.00	22.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.88	20.93	20.99	22.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.97	20.98	20.91	22.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.91	20.94	21.01	22.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.91	21.03	20.94	22.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.92	20.99	21.03	22.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.92	20.98	21.01	22.00



【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 7_DSI

2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.13		22.00
100	PI/2 BPSK	1	137		20.96		22.00
100	PI/2 BPSK	1	271		20.94		22.00
100	PI/2 BPSK	135	0		20.43		21.50
100	PI/2 BPSK	135	69		21.07		22.00
100	PI/2 BPSK	135	138		20.46		21.50
100	PI/2 BPSK	270	0		20.24		21.50
100	QPSK	1	1		20.74		22.00
100	QPSK	1	137		20.83		22.00
100	QPSK	1	271		20.79		22.00
100	QPSK	135	0		19.82		21.00
100	QPSK	135	69		20.82		22.00
100	QPSK	135	138		19.74		21.00
100	QPSK	270	0		19.92		21.00
100	16QAM	1	1		19.74		21.00
100	64QAM	1	1		18.30		19.50
100	256QAM	1	1		16.23		17.50
Channel				649668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dBm)
90	PI/2 BPSK	1	1	21.01	21.08	21.05	22.00
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dBm)
80	PI/2 BPSK	1	1	20.98	21.00	20.95	22.00
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)
70	PI/2 BPSK	1	1	21.00	20.94	21.00	22.00
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3769.98	Tune-up limit (dBm)
60	PI/2 BPSK	1	1	20.96	21.03	21.03	22.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up limit (dBm)
50	PI/2 BPSK	1	1	20.95	20.97	21.00	22.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)
40	PI/2 BPSK	1	1	20.88	20.93	20.99	22.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	Tune-up limit (dBm)
30	PI/2 BPSK	1	1	20.97	20.98	20.91	22.00
Channel				647500	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up limit (dBm)
25	PI/2 BPSK	1	1	20.91	20.94	21.01	22.00
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	Tune-up limit (dBm)
20	PI/2 BPSK	1	1	20.91	21.03	20.94	22.00
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	Tune-up limit (dBm)
15	PI/2 BPSK	1	1	20.92	20.99	21.03	22.00
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)
10	PI/2 BPSK	1	1	20.92	20.98	21.01	22.00

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 7_DSI

3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.59		15.00
100	PI/2 BPSK	1	137		14.54		15.00
100	PI/2 BPSK	1	271		14.40		15.00
100	PI/2 BPSK	135	0		14.36		15.00
100	PI/2 BPSK	135	69		14.55		15.00
100	PI/2 BPSK	135	138		14.23		15.00
100	PI/2 BPSK	270	0		14.17		15.00



100	QPSK	1	1		14.22		15.00
100	QPSK	1	137		14.29		15.00
100	QPSK	1	271		14.16		15.00
100	QPSK	135	0		14.41		15.00
100	QPSK	135	69		14.33		15.00
100	QPSK	135	138		14.31		15.00
100	QPSK	270	0		14.44		15.00
100	16QAM	1	1		14.47		15.00
100	64QAM	1	1		14.37		15.00
100	256QAM	1	1		14.25		15.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	14.48	14.53	14.50	15.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	14.39	14.43	14.47	15.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	14.40	14.46	14.38	15.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	14.47	14.51	14.40	15.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	14.33	14.43	14.47	15.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	14.41	14.52	14.48	15.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	14.46	14.48	14.41	15.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	14.42	14.50	14.37	15.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	14.46	14.40	14.47	15.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	14.43	14.47	14.38	15.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	14.44	14.44	14.44	15.00

【FR1 n78 (270)___FCC_Part 270 (3700~3800MHz)_Ant 7_DSI

6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.13		22.00
100	PI/2 BPSK	1	137		20.96		22.00
100	PI/2 BPSK	1	271		20.94		22.00
100	PI/2 BPSK	135	0		20.43		21.50
100	PI/2 BPSK	135	69		21.07		22.00
100	PI/2 BPSK	135	138		20.46		21.50
100	PI/2 BPSK	270	0		20.24		21.50
100	QPSK	1	1		20.74		22.00
100	QPSK	1	137		20.83		22.00
100	QPSK	1	271		20.79		22.00
100	QPSK	135	0		19.82		21.00
100	QPSK	135	69		20.82		22.00
100	QPSK	135	138		19.74		21.00
100	QPSK	270	0		19.92		21.00
100	16QAM	1	1		19.74		21.00
100	64QAM	1	1		18.30		19.50
100	256QAM	1	1		16.23		17.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	21.01	21.08	21.05	22.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	20.98	21.00	20.95	22.00



Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	21.00	20.94	21.00	22.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	20.96	21.03	21.03	22.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	20.95	20.97	21.00	22.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	20.88	20.93	20.99	22.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	20.97	20.98	20.91	22.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	20.91	20.94	21.01	22.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	20.91	21.03	20.94	22.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	20.92	20.99	21.03	22.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	20.92	20.98	21.01	22.00

【FR1 n78 (270)_FCC_Part 270 (3700~3800MHz)_Ant 7_DSI

7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.51		14.10
100	PI/2 BPSK	1	137		13.25		14.10
100	PI/2 BPSK	1	271		13.41		14.10
100	PI/2 BPSK	135	0		13.40		14.10
100	PI/2 BPSK	135	69		13.49		14.10
100	PI/2 BPSK	135	138		13.42		14.10
100	PI/2 BPSK	270	0		13.32		14.10
100	QPSK	1	1		13.36		14.10
100	QPSK	1	137		13.25		14.10
100	QPSK	1	271		13.23		14.10
100	QPSK	135	0		13.31		14.10
100	QPSK	135	69		13.22		14.10
100	QPSK	135	138		13.28		14.10
100	QPSK	270	0		13.40		14.10
100	16QAM	1	1		13.31		14.10
100	64QAM	1	1		13.41		14.10
100	256QAM	1	1		13.39		14.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	13.45	13.41	13.43	14.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	13.39	13.34	13.31	14.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	13.42	13.26	13.32	14.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	13.30	13.28	13.32	14.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	13.32	13.31	13.30	14.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	13.34	13.34	13.42	14.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	13.35	13.27	13.37	14.10
Channel				647500	650000	652500	Tune-up limit



Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	13.38	13.26	13.30	14.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	13.42	13.29	13.29	14.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	13.32	13.31	13.36	14.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	13.35	13.38	13.29	14.10

【FR1 n78 (270)_FCC_Part 270

(3700~3800MHz)_HPUE_Ant 7_DSI 4】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.63		25.00
100	PI/2 BPSK	1	137		23.37		25.00
100	PI/2 BPSK	1	271		23.26		25.00
100	PI/2 BPSK	135	0		22.90		24.50
100	PI/2 BPSK	135	69		23.57		25.00
100	PI/2 BPSK	135	138		23.05		24.50
100	PI/2 BPSK	270	0		23.02		24.50
100	QPSK	1	1		23.45		25.00
100	QPSK	1	137		23.45		25.00
100	QPSK	1	271		23.42		25.00
100	QPSK	135	0		22.56		24.00
100	QPSK	135	69		23.48		25.00
100	QPSK	135	138		22.45		24.00
100	QPSK	270	0		22.49		24.00
100	16QAM	1	1		22.45		24.00
100	64QAM	1	1		20.85		22.50
100	256QAM	1	1		19.03		20.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.48	23.52	23.45	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.37	23.48	23.44	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.44	23.49	23.41	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.43	23.41	23.43	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.34	23.41	23.36	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.41	23.46	23.39	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.46	23.44	23.36	25.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.43	23.43	23.34	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.33	23.42	23.43	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.35	23.46	23.41	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.38	23.50	23.33	25.00



【FR1 n78 (270)___FCC_Part 270
(3700~3800MHz)_HPUE_Ant 7_DSI 2】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.63		25.00
100	PI/2 BPSK	1	137		23.37		25.00
100	PI/2 BPSK	1	271		23.26		25.00
100	PI/2 BPSK	135	0		22.90		24.50
100	PI/2 BPSK	135	69		23.57		25.00
100	PI/2 BPSK	135	138		23.05		24.50
100	PI/2 BPSK	270	0		23.02		24.50
100	QPSK	1	1		23.45		25.00
100	QPSK	1	137		23.45		25.00
100	QPSK	1	271		23.42		25.00
100	QPSK	135	0		22.56		24.00
100	QPSK	135	69		23.48		25.00
100	QPSK	135	138		22.45		24.00
100	QPSK	270	0		22.49		24.00
100	16QAM	1	1		22.45		24.00
100	64QAM	1	1		20.85		22.50
100	256QAM	1	1		19.03		20.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.48	23.52	23.45	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.37	23.48	23.44	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.44	23.49	23.41	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.43	23.41	23.43	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.34	23.41	23.36	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.41	23.46	23.39	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.46	23.44	23.36	25.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.43	23.43	23.34	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.33	23.42	23.43	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.35	23.46	23.41	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.38	23.50	23.33	25.00



【FR1 n78 (270)___FCC_Part 270
(3700~3800MHz)_HPUE_Ant 7_DSI 3】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.15		18.00
100	PI/2 BPSK	1	137		16.98		18.00
100	PI/2 BPSK	1	271		17.04		18.00
100	PI/2 BPSK	135	0		16.93		18.00
100	PI/2 BPSK	135	69		17.13		18.00
100	PI/2 BPSK	135	138		17.05		18.00
100	PI/2 BPSK	270	0		16.83		18.00
100	QPSK	1	1		17.06		18.00
100	QPSK	1	137		16.99		18.00
100	QPSK	1	271		16.98		18.00
100	QPSK	135	0		17.01		18.00
100	QPSK	135	69		17.01		18.00
100	QPSK	135	138		17.02		18.00
100	QPSK	270	0		16.91		18.00
100	16QAM	1	1		16.98		18.00
100	64QAM	1	1		17.05		18.00
100	256QAM	1	1		16.99		18.00
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	17.05	17.08	17.01	18.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	16.93	16.95	16.98	18.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	16.98	17.02	16.95	18.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	16.95	16.94	16.89	18.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	17.03	16.99	16.87	18.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	16.92	16.93	16.99	18.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	16.97	17.02	16.92	18.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	16.97	17.02	16.91	18.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	16.99	17.02	16.87	18.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	16.91	17.05	16.86	18.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	17.02	16.95	16.92	18.00



【FR1 n78 (270)___FCC_Part 270

(3700~3800MHz)_HPUE_Ant 7_DSI 6】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.63		25.00
100	PI/2 BPSK	1	137		23.37		25.00
100	PI/2 BPSK	1	271		23.26		25.00
100	PI/2 BPSK	135	0		22.90		24.50
100	PI/2 BPSK	135	69		23.57		25.00
100	PI/2 BPSK	135	138		23.05		24.50
100	PI/2 BPSK	270	0		23.02		24.50
100	QPSK	1	1		23.45		25.00
100	QPSK	1	137		23.45		25.00
100	QPSK	1	271		23.42		25.00
100	QPSK	135	0		22.56		24.00
100	QPSK	135	69		23.48		25.00
100	QPSK	135	138		22.45		24.00
100	QPSK	270	0		22.49		24.00
100	16QAM	1	1		22.45		24.00
100	64QAM	1	1		20.85		22.50
100	256QAM	1	1		19.03		20.50
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	23.48	23.52	23.45	25.00
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	23.37	23.48	23.44	25.00
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	23.44	23.49	23.41	25.00
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	23.43	23.41	23.43	25.00
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	23.34	23.41	23.36	25.00
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	23.41	23.46	23.39	25.00
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	23.46	23.44	23.36	25.00
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	23.43	23.43	23.34	25.00
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	23.33	23.42	23.43	25.00
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	23.35	23.46	23.41	25.00
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	23.38	23.50	23.33	25.00

【FR1 n78 (270)___FCC_Part 270
(3700~3800MHz)_HPUE_Ant 7_DSI 7】

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.95		17.10
100	PI/2 BPSK	1	137		15.77		17.10
100	PI/2 BPSK	1	271		15.74		17.10
100	PI/2 BPSK	135	0		15.81		17.10
100	PI/2 BPSK	135	69		15.92		17.10
100	PI/2 BPSK	135	138		15.73		17.10
100	PI/2 BPSK	270	0		15.74		17.10
100	QPSK	1	1		15.83		17.10
100	QPSK	1	137		15.75		17.10
100	QPSK	1	271		15.73		17.10
100	QPSK	135	0		15.69		17.10
100	QPSK	135	69		15.92		17.10
100	QPSK	135	138		15.70		17.10
100	QPSK	270	0		15.78		17.10
100	16QAM	1	1		15.75		17.10
100	64QAM	1	1		15.86		17.10
100	256QAM	1	1		15.77		17.10
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				3745.02	3750	3754.98	(dBm)
90	PI/2 BPSK	1	1	15.82	15.83	15.84	17.10
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				3740.01	3750	3759.99	(dBm)
80	PI/2 BPSK	1	1	15.77	15.78	15.81	17.10
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	(dBm)
70	PI/2 BPSK	1	1	15.74	15.69	15.72	17.10
Channel				648668	650000	651332	Tune-up limit
Frequency (MHz)				3730.02	3750	3769.98	(dBm)
60	PI/2 BPSK	1	1	15.80	15.72	15.74	17.10
Channel				648334	650000	651666	Tune-up limit
Frequency (MHz)				3725.01	3750	3774.99	(dBm)
50	PI/2 BPSK	1	1	15.77	15.70	15.76	17.10
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	(dBm)
40	PI/2 BPSK	1	1	15.68	15.77	15.82	17.10
Channel				647668	650000	652332	Tune-up limit
Frequency (MHz)				3715.02	3750	3784.98	(dBm)
30	PI/2 BPSK	1	1	15.79	15.76	15.83	17.10
Channel				647500	650000	652500	Tune-up limit
Frequency (MHz)				3712.5	3750	3787.5	(dBm)
25	PI/2 BPSK	1	1	15.70	15.78	15.72	17.10
Channel				647334	650000	652666	Tune-up limit
Frequency (MHz)				3710.01	3750	3789.99	(dBm)
20	PI/2 BPSK	1	1	15.79	15.69	15.81	17.10
Channel				647168	650000	652832	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.48	(dBm)
15	PI/2 BPSK	1	1	15.78	15.81	15.83	17.10
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	(dBm)
10	PI/2 BPSK	1	1	15.73	15.78	15.74	17.10



<Bluetooth Conducted Power>

【Bluetooth_Full Power】

Mode	Channel	Frequency (MHz)	Ant 2		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	18.40	19.50	77.07
	39	2441	18.20	19.50	
	78	2480	17.20	18.50	
BR / EDR 2Mbps	0	2402	15.70	17.00	77.07
	39	2441	15.50	17.00	
	78	2480	14.50	16.00	
BR / EDR 3Mbps	0	2402	15.70	17.00	77.07
	39	2441	15.50	17.00	
	78	2480	14.50	16.00	
LE 125kbps	0	2402	11.20	12.50	75.43
	19	2440	11.60	12.50	
	39	2480	10.40	11.50	
LE 500kbps	0	2402	11.10	12.50	58.79
	19	2440	11.50	12.50	
	39	2480	10.30	11.50	
LE 1Mbps	0	2402	11.10	12.50	52.63
	19	2440	11.50	12.50	
	39	2480	10.30	11.50	
LE 2Mbps	0	2402	11.10	12.50	38.89
	19	2440	11.50	12.50	
	39	2480	10.30	11.50	

【Bluetooth_Head Standalone】

Mode	Channel	Frequency (MHz)	Ant 2		
			Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	10.6	12	77.07
	39	2441	11.6	13	
	78	2480	10.6	12	
BR / EDR 2Mbps	0	2402	7.9	9.5	77.07
	39	2441	8.9	10.5	
	78	2480	7.9	9.5	
BR / EDR 3Mbps	0	2402	7.9	9.5	77.07
	39	2441	8.9	10.5	
	78	2480	7.9	9.5	
LE 125kbps	0	2402	Not Required	13	Not Required
	19	2440		13	
	39	2480		13	
LE 500kbps	0	2402		13	
	19	2440		13	
	39	2480		13	
LE 1Mbps	0	2402		13	
	19	2440		13	
	39	2480		13	
LE 2Mbps	0	2402		13	
	19	2440		13	
	39	2480		13	



【Bluetooth_Body-worn Standalone】

			Ant 2		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	13.6	15	77.07
	39	2441	14.7	16	
	78	2480	13.7	15	
BR / EDR 2Mbps	0	2402	10.9	12.5	77.07
	39	2441	12	13.5	
	78	2480	11	12.5	
BR / EDR 3Mbps	0	2402	10.9	12.5	77.07
	39	2441	12	13.5	
	78	2480	11	12.5	
LE 125kbps	0	2402	Not Required	16	Not Required
	19	2440		16	
	39	2480		16	
LE 500kbps	0	2402		16	
	19	2440		16	
	39	2480		16	
LE 1Mbps	0	2402		16	
	19	2440		16	
	39	2480		16	
LE 2Mbps	0	2402		16	
	19	2440		16	
	39	2480		16	

【Bluetooth_Hotspot】

			Ant 2		
Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	10.6	12	77.07
	39	2441	11.6	13	
	78	2480	10.6	12	
BR / EDR 2Mbps	0	2402	7.9	9.5	77.07
	39	2441	8.9	10.5	
	78	2480	7.9	9.5	
BR / EDR 3Mbps	0	2402	7.9	9.5	77.07
	39	2441	8.9	10.5	
	78	2480	7.9	9.5	
LE 125kbps	0	2402	Not Required	13	Not Required
	19	2440		13	
	39	2480		13	
LE 500kbps	0	2402		13	
	19	2440		13	
	39	2480		13	
LE 1Mbps	0	2402		13	
	19	2440		13	
	39	2480		13	
LE 2Mbps	0	2402		13	
	19	2440		13	
	39	2480		13	

<WLAN Conducted Power>

【2.4GHz WLAN_Ant 3+2_Full Power】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	19.50	21.00	18.70	20.50	22.13	24.00	99.88
	6	2437	18.90	20.50	19.10	21.00	22.01	24.00	
	11	2462	19.10	20.50	18.60	20.50	21.87	23.50	
802.11g 6Mbps	1	2412	18.40	20.00	17.70	19.50	21.07	23.00	99.53
	6	2437	18.80	20.50	19.10	20.50	21.96	23.50	
	11	2462	17.60	19.00	17.20	19.00	20.41	22.00	
802.11n-HT20 MCS0	1	2412	18.00	19.50	17.30	19.00	20.67	22.50	99.82
	6	2437	18.50	20.00	18.70	20.50	21.61	23.50	
	11	2462	16.60	18.00	16.00	17.50	19.32	21.00	
802.11n-HT40 MCS0	3	2422	15.20	17.00	15.30	17.00	18.26	20.00	99.82
	6	2437	16.10	18.00	16.30	18.00	19.21	21.00	
	9	2452	14.50	16.00	14.10	16.00	17.31	19.00	
802.11ax-HE20 MCS0	1	2412	17.00	18.50	16.30	18.00	19.67	21.50	99.63
	6	2437	17.60	19.50	17.90	19.50	20.76	22.50	
	11	2462	17.30	19.00	17.00	18.50	20.16	22.00	
802.11ax-HE40 MCS0	3	2422	15.30	17.00	15.50	17.00	18.41	20.00	99.82
	6	2437	15.80	17.50	16.00	17.50	18.91	20.50	
	9	2452	14.80	16.50	14.40	16.00	17.61	19.50	

【2.4GHz WLAN_Ant 3+2_Head Standalone】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	16.55	18.00	16.09	18.00	19.34	21.00	99.88
	6	2437	16.48	18.00	16.16	18.00	19.33	21.00	
	11	2462	16.51	18.00	16.05	18.00	19.30	21.00	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		18.00		21.00	
802.11n-HT20 MCS0	1	2412	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		17.50		21.00	
802.11n-HT40 MCS0	3	2422	15.20	17.00	15.30	17.00	18.26	20.00	99.82
	6	2437	16.10	18.00	16.30	18.00	19.21	21.00	
	9	2452	14.50	16.00	14.10	16.00	17.31	19.00	
802.11ax-HE20 MCS0	1	2412	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		18.00		21.00	
802.11ax-HE40 MCS0	3	2422	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	6	2437		17.50		17.50		20.50	
	9	2452		16.50		16.00		19.50	



【2.4GHz WLAN_Ant 3+2_Head Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	11.63	13.00	11.33	13.00	14.49	16.00	99.88
	6	2437	11.52	13.00	11.26	13.00	14.40	16.00	
	11	2462	11.58	13.00	11.18	13.00	14.39	16.00	
802.11g 6Mbps	1	2412	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	6	2437		13.00		13.00		16.00	
	11	2462		13.00		13.00		16.00	
802.11n-HT20 MCS0	1	2412		13.00		13.00		16.00	
	6	2437		13.00		13.00		16.00	
	11	2462		13.00		13.00		16.00	
802.11n-HT40 MCS0	3	2422		13.00		13.00		16.00	
	6	2437		13.00		13.00		16.00	
	9	2452		13.00		13.00		16.00	
802.11ax-HE20 MCS0	1	2412		13.00		13.00		16.00	
	6	2437		13.00		13.00		16.00	
	11	2462		13.00		13.00		16.00	
802.11ax-HE40 MCS0	3	2422		13.00		13.00		16.00	
	6	2437		13.00		13.00		16.00	
	9	2452		13.00		13.00		16.00	

【2.4GHz WLAN_Ant 3+2_Body-worn Standalone】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	19.50	21.00	18.70	20.50	22.13	24.00	99.88
	6	2437	18.90	20.50	19.10	21.00	22.01	24.00	
	11	2462	19.10	20.50	18.60	20.50	21.87	23.50	
802.11g 6Mbps	1	2412	18.40	20.00	17.70	19.50	21.07	23.00	99.53
	6	2437	18.80	20.50	19.10	20.50	21.96	23.50	
	11	2462	17.60	19.00	17.20	19.00	20.41	22.00	
802.11n-HT20 MCS0	1	2412	18.00	19.50	17.30	19.00	20.67	22.50	99.82
	6	2437	18.50	20.00	18.70	20.50	21.61	23.50	
	11	2462	16.60	18.00	16.00	17.50	19.32	21.00	
802.11n-HT40 MCS0	3	2422	15.20	17.00	15.30	17.00	18.26	20.00	99.82
	6	2437	16.10	18.00	16.30	18.00	19.21	21.00	
	9	2452	14.50	16.00	14.10	16.00	17.31	19.00	
802.11ax-HE20 MCS0	1	2412	17.00	18.50	16.30	18.00	19.67	21.50	99.63
	6	2437	17.60	19.50	17.90	19.50	20.76	22.50	
	11	2462	17.30	19.00	17.00	18.50	20.16	22.00	
802.11ax-HE40 MCS0	3	2422	15.30	17.00	15.50	17.00	18.41	20.00	99.82
	6	2437	15.80	17.50	16.00	17.50	18.91	20.50	
	9	2452	14.80	16.50	14.40	16.00	17.61	19.50	

【2.4GHz WLAN_Ant 3+2_Body-worn Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	14.55	16.00	14.33	16.00	17.45	19.00	99.88
	6	2437	14.43	16.00	14.21	16.00	17.33	19.00	
	11	2462	14.49	16.00	14.26	16.00	17.39	19.00	
802.11g 6Mbps	1	2412	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required
	6	2437		16.00		16.00		19.00	
	11	2462		16.00		16.00		19.00	
802.11n-HT20 MCS0	1	2412		16.00		16.00		19.00	
	6	2437		16.00		16.00		19.00	
	11	2462		16.00		16.00		19.00	
802.11n-HT40 MCS0	3	2422		16.00		16.00		19.00	
	6	2437		16.00		16.00		19.00	
	9	2452		16.00		16.00		19.00	
802.11ax-HE20 MCS0	1	2412		16.00		16.00		19.00	
	6	2437		16.00		16.00		19.00	
	11	2462		16.00		16.00		19.00	
802.11ax-HE40 MCS0	3	2422		16.00		16.00		19.00	
	6	2437		16.00		16.00		19.00	
	9	2452		16.00		16.00		19.00	



【2.4GHz WLAN_Ant 3+2_Hotspot】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	16.55	18.00	16.09	18.00	19.34	21.00	99.88
	6	2437	16.48	18.00	16.16	18.00	19.33	21.00	
	11	2462	16.51	18.00	16.05	18.00	19.30	21.00	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		18.00		21.00	
802.11n-HT20 MCS0	1	2412		18.00		18.00		21.00	
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		17.50		21.00	
802.11n-HT40 MCS0	3	2422		17.00		17.00		20.00	
	6	2437		18.00		18.00		21.00	
	9	2452		16.00		16.00		19.00	
802.11ax-HE20 MCS0	1	2412		18.00		18.00		21.00	
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		18.00		21.00	
802.11ax-HE40 MCS0	3	2422		17.00		17.00		20.00	
	6	2437		17.50		17.50		20.50	
	9	2452		16.50		16.00		19.50	

【2.4GHz WLAN_Ant 3+2_Extremity Standalone】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	19.50	21.00	18.70	20.50	22.13	24.00	99.88
	6	2437	18.90	20.50	19.10	21.00	22.01	24.00	
	11	2462	19.10	20.50	18.60	20.50	21.87	23.50	
802.11g 6Mbps	1	2412	18.40	20.00	17.70	19.50	21.07	23.00	99.53
	6	2437	18.80	20.50	19.10	20.50	21.96	23.50	
	11	2462	17.60	19.00	17.20	19.00	20.41	22.00	
802.11n-HT20 MCS0	1	2412	18.00	19.50	17.30	19.00	20.67	22.50	99.82
	6	2437	18.50	20.00	18.70	20.50	21.61	23.50	
	11	2462	16.60	18.00	16.00	17.50	19.32	21.00	
802.11n-HT40 MCS0	3	2422	15.20	17.00	15.30	17.00	18.26	20.00	99.82
	6	2437	16.10	18.00	16.30	18.00	19.21	21.00	
	9	2452	14.50	16.00	14.10	16.00	17.31	19.00	
802.11ax-HE20 MCS0	1	2412	17.00	18.50	16.30	18.00	19.67	21.50	99.63
	6	2437	17.60	19.50	17.90	19.50	20.76	22.50	
	11	2462	17.30	19.00	17.00	18.50	20.16	22.00	
802.11ax-HE40 MCS0	3	2422	15.30	17.00	15.50	17.00	18.41	20.00	99.82
	6	2437	15.80	17.50	16.00	17.50	18.91	20.50	
	9	2452	14.80	16.50	14.40	16.00	17.61	19.50	

【2.4GHz WLAN_Ant 3+2_Extremity Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 3+2(3)		Ant 3+2(2)		Ant 3+2		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	16.55	18.00	16.09	18.00	19.34	21.00	100.00
	6	2437	16.48	18.00	16.16	18.00	19.33	21.00	
	11	2462	16.51	18.00	16.05	18.00	19.30	21.00	
802.11g 6Mbps	1	2412	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		18.00		21.00	
802.11n-HT20 MCS0	1	2412		18.00		18.00		21.00	
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		17.50		21.00	
802.11n-HT40 MCS0	3	2422		17.00		17.00		20.00	
	6	2437		18.00		18.00		21.00	
	9	2452		16.00		16.00		19.00	
802.11ax-HE20 MCS0	1	2412		18.00		18.00		21.00	
	6	2437		18.00		18.00		21.00	
	11	2462		18.00		18.00		21.00	
802.11ax-HE40 MCS0	3	2422		17.00		17.00		20.00	
	6	2437		17.50		17.50		20.50	
	9	2452		16.50		16.00		19.50	

**【5.2GHz WLAN_Ant 5+7_Full Power】**

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	16.78	18.50	15.98	17.50	19.41	20.50	99.05
	40	5200	16.30	18.00	16.40	18.00	19.36	21.00	
	44	5220	16.51	18.00	16.42	18.00	19.48	20.50	
	48	5240	16.38	18.00	16.41	18.00	19.41	20.50	
802.11n-HT20 MCS0	36	5180	16.91	18.50	16.22	17.50	19.59	21.00	100.00
	40	5200	16.50	18.00	16.60	18.00	19.56	21.00	
	44	5220	16.63	18.00	16.60	18.00	19.63	21.00	
	48	5240	16.54	18.00	16.61	18.00	19.59	21.00	
802.11n-HT40 MCS0	38	5190	16.55	18.00	15.83	17.50	19.22	20.50	100.00
	46	5230	18.09	19.50	17.96	19.50	21.04	22.50	
802.11ac-VHT20 MCS0	36	5180	16.88	18.50	16.18	17.50	19.55	21.00	100.00
	40	5200	16.48	18.00	16.53	18.00	19.52	21.00	
	44	5220	16.60	18.00	16.56	18.00	19.59	21.00	
	48	5240	16.51	18.00	16.57	18.00	19.55	21.00	
802.11ac-VHT40 MCS0	38	5190	16.52	18.00	15.81	17.50	19.19	20.50	100.00
	46	5230	18.06	19.50	17.94	19.50	21.01	22.50	
802.11ac-VHT80 MCS0	42	5210	15.65	17.00	15.20	16.50	18.44	20.00	99.82
802.11ax-HE20 MCS0	36	5180	17.00	18.50	16.33	18.00	19.69	21.00	99.63
	40	5200	16.60	18.00	16.68	18.00	19.65	21.00	
	44	5220	16.72	18.50	16.71	18.00	19.73	21.00	
	48	5240	16.63	18.00	16.72	18.00	19.69	21.00	
802.11ax-HE40 MCS0	38	5190	16.63	18.00	15.94	17.50	19.31	21.00	99.82
	46	5230	18.17	19.50	18.07	19.50	21.13	22.50	
802.11ax-HE80 MCS0	42	5210	15.76	17.50	15.31	17.00	18.55	20.00	100.00

【5.2GHz WLAN_Ant 5+7_Head Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	Not Required	18.00	Not Required	17.50	Not Required	20.50	Not Required
	40	5200		18.00		18.00		21.00	
	44	5220		18.00		18.00		20.50	
	48	5240		18.00		18.00		20.50	
802.11n-HT20 MCS0	36	5180	Not Required	18.00	Not Required	17.50	Not Required	21.00	Not Required
	40	5200		18.00		18.00		21.00	
	44	5220		18.00		18.00		21.00	
	48	5240		18.00		18.00		21.00	
802.11n-HT40 MCS0	38	5190	16.55	18.00	15.83	17.50	19.22	20.50	100.00
	46	5230	16.51	18.00	16.46	18.00	19.50	21.00	
802.11ac-VHT20 MCS0	36	5180	Not Required	18.00	Not Required	17.50	Not Required	21.00	Not Required
	40	5200		18.00		18.00		21.00	
	44	5220		18.00		18.00		21.00	
	48	5240		18.00		18.00		21.00	
802.11ac-VHT40 MCS0	38	5190	Not Required	18.00	Not Required	17.50	Not Required	20.50	Not Required
	46	5230		18.00		18.00		21.00	
802.11ac-VHT80 MCS0	42	5210	Not Required	17.00	Not Required	16.50	Not Required	20.00	Not Required
802.11ax-HE20 MCS0	36	5180		18.00		18.00		21.00	
	40	5200		18.00		18.00		21.00	
	44	5220		18.00		18.00		21.00	
	48	5240		18.00		18.00		21.00	
802.11ax-HE40 MCS0	38	5190	Not Required	18.00	Not Required	17.50	Not Required	21.00	Not Required
	46	5230		18.00		18.00		21.00	
802.11ax-HE80 MCS0	42	5210		17.50		17.00		20.00	



【5.2GHz WLAN_Ant 5+7_Head Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	40	5200		13.00		13.00		16.00	
	44	5220		13.00		13.00		16.00	
	48	5240		13.00		13.00		16.00	
802.11n-HT20 MCS0	36	5180		13.00		13.00		16.00	
	40	5200		13.00		13.00		16.00	
	44	5220		13.00		13.00		16.00	
	48	5240		13.00		13.00		16.00	
802.11n-HT40 MCS0	38	5190		13.00		13.00		16.00	
	46	5230		13.00		13.00		16.00	
802.11ac-VHT20 MCS0	36	5180		13.00		13.00		16.00	
	40	5200		13.00		13.00		16.00	
	44	5220		13.00		13.00		16.00	
	48	5240		13.00		13.00		16.00	
802.11ac-VHT40 MCS0	38	5190		13.00		13.00		16.00	
	46	5230		13.00		13.00		16.00	
802.11ac-VHT80 MCS0	42	5210	11.72	13.00	11.28	13.00	14.52	16.00	99.82
802.11ax-HE20 MCS0	36	5180	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	40	5200		13.00		13.00		16.00	
	44	5220		13.00		13.00		16.00	
	48	5240		13.00		13.00		16.00	
802.11ax-HE40 MCS0	38	5190		13.00		13.00		16.00	
	46	5230		13.00		13.00		16.00	
802.11ax-HE80 MCS0	42	5210		13.00		13.00		16.00	

【5.2GHz WLAN_Ant 5+7_Body-worn Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	16.78	18.50	15.98	17.50	19.41	20.50	99.05
	40	5200	16.30	18.00	16.40	18.00	19.36	21.00	
	44	5220	16.51	18.00	16.42	18.00	19.48	20.50	
	48	5240	16.38	18.00	16.41	18.00	19.41	20.50	
802.11n-HT20 MCS0	36	5180	16.91	18.50	16.22	17.50	19.59	21.00	100.00
	40	5200	16.50	18.00	16.60	18.00	19.56	21.00	
	44	5220	16.63	18.00	16.60	18.00	19.63	21.00	
	48	5240	16.54	18.00	16.61	18.00	19.59	21.00	
802.11n-HT40 MCS0	38	5190	16.55	18.00	15.83	17.50	19.22	20.50	100.00
	46	5230	18.09	19.50	17.96	19.50	21.04	22.50	
802.11ac-VHT20 MCS0	36	5180	16.88	18.50	16.18	17.50	19.55	21.00	100.00
	40	5200	16.48	18.00	16.53	18.00	19.52	21.00	
	44	5220	16.60	18.00	16.56	18.00	19.59	21.00	
	48	5240	16.51	18.00	16.57	18.00	19.55	21.00	
802.11ac-VHT40 MCS0	38	5190	16.52	18.00	15.81	17.50	19.19	20.50	100.00
	46	5230	18.06	19.50	17.94	19.50	21.01	22.50	
802.11ac-VHT80 MCS0	42	5210	15.65	17.00	15.20	16.50	18.44	20.00	99.82
802.11ax-HE20 MCS0	36	5180	17.00	18.50	16.33	18.00	19.69	21.00	99.63
	40	5200	16.60	18.00	16.68	18.00	19.65	21.00	
	44	5220	16.72	18.50	16.71	18.00	19.73	21.00	
	48	5240	16.63	18.00	16.72	18.00	19.69	21.00	
802.11ax-HE40 MCS0	38	5190	16.63	18.00	15.94	17.50	19.31	21.00	99.82
	46	5230	18.17	19.50	18.07	19.50	21.13	22.50	
802.11ax-HE80 MCS0	42	5210	15.76	17.50	15.31	17.00	18.55	20.00	100.00



【5.2GHz WLAN_Ant 5+7_Body-worn Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
	40	5200		17.50		17.50		20.50	
	44	5220		17.50		17.50		20.50	
	48	5240		17.50		17.50		20.50	
802.11n-HT20 MCS0	36	5180		17.50		17.50		20.50	
	40	5200		17.50		17.50		20.50	
	44	5220		17.50		17.50		20.50	
	48	5240		17.50		17.50		20.50	
802.11n-HT40 MCS0	38	5190	16.55	17.50	15.83	17.50	19.22	20.50	100.00
	46	5230	16.29	17.50	16.11	17.50	19.21	20.50	
802.11ac-VHT20 MCS0	36	5180	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
	40	5200		17.50		17.50		20.50	
	44	5220		17.50		17.50		20.50	
	48	5240		17.50		17.50		20.50	
802.11ac-VHT40 MCS0	38	5190		17.50		17.50		20.50	
	46	5230		17.50		17.50		20.50	
802.11ac-VHT80 MCS0	42	5210		17.00		16.50		20.00	
802.11ax-HE20 MCS0	36	5180		17.50		17.50		20.50	
	40	5200		17.50		17.50		20.50	
	44	5220		17.50		17.50		20.50	
	48	5240		17.50		17.50		20.50	
802.11ax-HE40 MCS0	38	5190		17.50		17.50		20.50	
	46	5230		17.50		17.50		20.50	
802.11ax-HE80 MCS0	42	5210		17.50		17.00		20.00	

【5.2GHz WLAN_Ant 5+7_Hotspot】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	Not Required	18.50	Not Required	17.50	Not Required	20.50	Not Required
	40	5200		18.00		18.00		21.00	
	44	5220		18.00		18.00		20.50	
	48	5240		18.00		18.00		20.50	
802.11n-HT20 MCS0	36	5180		18.50		17.50		21.00	
	40	5200		18.00		18.00		21.00	
	44	5220		18.00		18.00		21.00	
	48	5240		18.00		18.00		21.00	
802.11n-HT40 MCS0	38	5190	16.55	18.00	15.83	17.50	19.22	20.50	100.00
	46	5230	17.11	18.50	17.03	18.50	20.08	21.50	
802.11ac-VHT20 MCS0	36	5180	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required
	40	5200		18.00		18.00		21.00	
	44	5220		18.00		18.00		21.00	
	48	5240		18.00		18.00		21.00	
802.11ac-VHT40 MCS0	38	5190		18.00		17.50		20.50	
	46	5230		18.50		18.50		21.50	
802.11ac-VHT80 MCS0	42	5210		17.00		16.50		20.00	
802.11ax-HE20 MCS0	36	5180		18.50		18.00		21.00	
	40	5200		18.00		18.00		21.00	
	44	5220		18.50		18.00		21.00	
	48	5240		18.00		18.00		21.00	
802.11ax-HE40 MCS0	38	5190		18.00		17.50		21.00	
	46	5230		18.50		18.50		21.50	
802.11ax-HE80 MCS0	42	5210		17.50		17.00		20.00	

**【5.2GHz WLAN_Ant 5+7_Extremity Standalone】**

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	16.78	18.50	15.98	17.50	19.41	20.50	99.05
	40	5200	16.30	18.00	16.40	18.00	19.36	21.00	
	44	5220	16.51	18.00	16.42	18.00	19.48	20.50	
	48	5240	16.38	18.00	16.41	18.00	19.41	20.50	
802.11n-HT20 MCS0	36	5180	16.91	18.50	16.22	17.50	19.59	21.00	100.00
	40	5200	16.50	18.00	16.60	18.00	19.56	21.00	
	44	5220	16.63	18.00	16.60	18.00	19.63	21.00	
	48	5240	16.54	18.00	16.61	18.00	19.59	21.00	
802.11n-HT40 MCS0	38	5190	16.55	18.00	15.83	17.50	19.22	20.50	100.00
	46	5230	18.09	19.50	17.96	19.50	21.04	22.50	
802.11ac-VHT20 MCS0	36	5180	16.88	18.50	16.18	17.50	19.55	21.00	100.00
	40	5200	16.48	18.00	16.53	18.00	19.52	21.00	
	44	5220	16.60	18.00	16.56	18.00	19.59	21.00	
	48	5240	16.51	18.00	16.57	18.00	19.55	21.00	
802.11ac-VHT40 MCS0	38	5190	16.52	18.00	15.81	17.50	19.19	20.50	100.00
	46	5230	18.06	19.50	17.94	19.50	21.01	22.50	
802.11ac-VHT80 MCS0	42	5210	15.65	17.00	15.20	16.50	18.44	20.00	99.82
802.11ax-HE20 MCS0	36	5180	17.00	18.50	16.33	18.00	19.69	21.00	99.63
	40	5200	16.60	18.00	16.68	18.00	19.65	21.00	
	44	5220	16.72	18.50	16.71	18.00	19.73	21.00	
	48	5240	16.63	18.00	16.72	18.00	19.69	21.00	
802.11ax-HE40 MCS0	38	5190	16.63	18.00	15.94	17.50	19.31	21.00	99.82
	46	5230	18.17	19.50	18.07	19.50	21.13	22.50	
802.11ax-HE80 MCS0	42	5210	15.76	17.50	15.31	17.00	18.55	20.00	100.00

【5.2GHz WLAN_Ant 5+7_Extremity Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	16.78	18.50	15.98	17.50	19.41	20.50	99.05
	40	5200	16.30	18.00	16.40	18.00	19.36	21.00	
	44	5220	16.51	18.00	16.42	18.00	19.48	20.50	
	48	5240	16.38	18.00	16.41	18.00	19.41	20.50	
802.11n-HT20 MCS0	36	5180	16.91	18.50	16.22	17.50	19.59	21.00	100.00
	40	5200	16.50	18.00	16.60	18.00	19.56	21.00	
	44	5220	16.63	18.00	16.60	18.00	19.63	21.00	
	48	5240	16.54	18.00	16.61	18.00	19.59	21.00	
802.11n-HT40 MCS0	38	5190	16.55	18.00	15.83	17.50	19.22	20.50	100.00
	46	5230	18.09	19.50	17.96	19.50	21.04	22.50	
802.11ac-VHT20 MCS0	36	5180	16.88	18.50	16.18	17.50	19.55	21.00	100.00
	40	5200	16.48	18.00	16.53	18.00	19.52	21.00	
	44	5220	16.60	18.00	16.56	18.00	19.59	21.00	
	48	5240	16.51	18.00	16.57	18.00	19.55	21.00	
802.11ac-VHT40 MCS0	38	5190	16.52	18.00	15.81	17.50	19.19	20.50	100.00
	46	5230	18.06	19.50	17.94	19.50	21.01	22.50	
802.11ac-VHT80 MCS0	42	5210	15.65	17.00	15.20	16.50	18.44	20.00	99.82
802.11ax-HE20 MCS0	36	5180	17.00	18.50	16.33	18.00	19.69	21.00	99.63
	40	5200	16.60	18.00	16.68	18.00	19.65	21.00	
	44	5220	16.72	18.50	16.71	18.00	19.73	21.00	
	48	5240	16.63	18.00	16.72	18.00	19.69	21.00	
802.11ax-HE40 MCS0	38	5190	16.63	18.00	15.94	17.50	19.31	21.00	99.82
	46	5230	18.17	19.50	18.07	19.50	21.13	22.50	
802.11ax-HE80 MCS0	42	5210	15.76	17.50	15.31	17.00	18.55	20.00	100.00



【5.3GHz WLAN_Ant 5+7_Full Power】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	16.27	18.00	16.27	18.00	19.28	21.00	99.05
	56	5280	16.22	18.00	16.25	18.00	19.25	21.00	
	60	5300	16.21	18.00	16.41	18.00	19.32	21.00	
	64	5320	16.21	18.00	16.28	18.00	19.26	21.00	
802.11n-HT20 MCS0	52	5260	16.53	18.00	16.53	18.00	19.54	21.00	100.00
	56	5280	16.46	18.00	16.50	18.00	19.49	21.00	
	60	5300	16.43	18.00	16.58	18.00	19.52	21.00	
	64	5320	16.93	18.50	17.00	18.50	19.98	21.50	
802.11n-HT40 MCS0	54	5270	17.88	19.50	17.95	19.50	20.93	22.50	100.00
	62	5310	17.04	18.50	16.84	18.50	19.95	21.50	
802.11ac-VHT20 MCS0	52	5260	16.50	18.00	16.49	18.00	19.51	21.00	100.00
	56	5280	16.40	18.00	16.45	18.00	19.44	21.00	
	60	5300	16.40	18.00	16.54	18.00	19.48	21.00	
	64	5320	16.90	18.50	16.96	18.50	19.94	21.50	
802.11ac-VHT40 MCS0	54	5270	17.85	19.50	17.93	19.50	20.90	22.50	100.00
	62	5310	17.01	18.50	16.82	18.50	19.93	21.50	
802.11ac-VHT80 MCS0	58	5290	17.33	19.00	17.24	18.50	20.30	22.00	99.82
802.11ac-VHT160 MCS0	50	5250	16.18	17.50	15.78	17.50	18.99	20.50	99.63
802.11ax-HE20 MCS0	52	5260	16.62	18.00	16.64	18.00	19.64	21.00	99.63
	56	5280	16.53	18.00	16.60	18.00	19.58	21.00	
	60	5300	16.52	18.00	16.69	18.00	19.62	21.00	
	64	5320	17.02	18.50	17.11	18.50	20.08	21.50	
802.11ax-HE40 MCS0	54	5270	17.96	19.50	18.06	19.50	21.02	22.50	99.82
	62	5310	17.12	18.50	16.95	18.50	20.05	21.50	
802.11ax-HE80 MCS0	58	5290	17.44	19.00	17.35	19.00	20.41	22.00	100.00
802.11ax-HE160 MCS0	50	5250	16.25	17.50	15.85	17.50	19.06	20.50	100.00

【5.3GHz WLAN_Ant 5+7_Head Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.00		18.00		21.00	
802.11n-HT20 MCS0	52	5260		18.00		18.00		21.00	
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.00		18.00		21.00	
802.11n-HT40 MCS0	54	5270		18.00		18.00		21.00	
	62	5310		18.00		18.00		21.00	
802.11ac-VHT20 MCS0	52	5260		18.00		18.00		21.00	
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.00		18.00		21.00	
802.11ac-VHT40 MCS0	54	5270		18.00		18.00		21.00	
	62	5310		18.00		18.00		21.00	
802.11ac-VHT80 MCS0	58	5290	17.33	18.00	17.24	18.00	20.30	21.00	99.82
802.11ac-VHT160 MCS0	50	5250	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
802.11ax-HE20 MCS0	52	5260		18.00		18.00		21.00	
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.00		18.00		21.00	
802.11ax-HE40 MCS0	54	5270		18.00		18.00		21.00	
	62	5310		18.00		18.00		21.00	
802.11ax-HE80 MCS0	58	5290		18.00		18.00		21.00	
802.11ax-HE160 MCS0	50	5250		17.50		17.50		20.50	



【5.3GHz WLAN_Ant 5+7_Head Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	56	5280		13.00		13.00		16.00	
	60	5300		13.00		13.00		16.00	
	64	5320		13.00		13.00		16.00	
802.11n-HT20 MCS0	52	5260		13.00		13.00		16.00	
	56	5280		13.00		13.00		16.00	
	60	5300		13.00		13.00		16.00	
	64	5320		13.00		13.00		16.00	
802.11n-HT40 MCS0	54	5270		13.00		13.00		16.00	
	62	5310		13.00		13.00		16.00	
802.11ac-VHT20 MCS0	52	5260		13.00		13.00		16.00	
	56	5280		13.00		13.00		16.00	
	60	5300		13.00		13.00		16.00	
	64	5320		13.00		13.00		16.00	
802.11ac-VHT40 MCS0	54	5270		13.00		13.00		16.00	
	62	5310		13.00		13.00		16.00	
802.11ac-VHT80 MCS0	58	5290		13.00		13.00		16.00	
802.11ac-VHT160 MCS0	50	5250	12.18	13.00	11.88	13.00	15.04	16.00	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	56	5280		13.00		13.00		16.00	
	60	5300		13.00		13.00		16.00	
	64	5320		13.00		13.00		16.00	
802.11ax-HE40 MCS0	54	5270		13.00		13.00		16.00	
	62	5310		13.00		13.00		16.00	
802.11ax-HE80 MCS0	58	5290		13.00		13.00		16.00	
802.11ax-HE160 MCS0	50	5250		13.00		13.00		16.00	

【5.3GHz WLAN_Ant 5+7_Body-worn Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5260	16.27	18.00	16.27	18.00	19.28	21.00	99.05
	56	5280	16.22	18.00	16.25	18.00	19.25	21.00	
	60	5300	16.21	18.00	16.41	18.00	19.32	21.00	
	64	5320	16.21	18.00	16.28	18.00	19.26	21.00	
802.11n-HT20 MCS0	52	5260	16.53	18.00	16.53	18.00	19.54	21.00	100.00
	56	5280	16.46	18.00	16.50	18.00	19.49	21.00	
	60	5300	16.43	18.00	16.58	18.00	19.52	21.00	
	64	5320	16.93	18.50	17.00	18.50	19.98	21.50	
802.11n-HT40 MCS0	54	5270	17.88	19.50	17.95	19.50	20.93	22.50	100.00
	62	5310	17.04	18.50	16.84	18.50	19.95	21.50	
802.11ac-VHT20 MCS0	52	5260	16.50	18.00	16.49	18.00	19.51	21.00	100.00
	56	5280	16.40	18.00	16.45	18.00	19.44	21.00	
	60	5300	16.40	18.00	16.54	18.00	19.48	21.00	
	64	5320	16.90	18.50	16.96	18.50	19.94	21.50	
802.11ac-VHT40 MCS0	54	5270	17.85	19.50	17.93	19.50	20.90	22.50	100.00
	62	5310	17.01	18.50	16.82	18.50	19.93	21.50	
802.11ac-VHT80 MCS0	58	5290	17.33	19.00	17.24	18.50	20.30	22.00	99.82
802.11ac-VHT160 MCS0	50	5250	16.18	17.50	15.78	17.50	18.99	20.50	99.63
802.11ax-HE20 MCS0	52	5260	16.62	18.00	16.64	18.00	19.64	21.00	99.63
	56	5280	16.53	18.00	16.60	18.00	19.58	21.00	
	60	5300	16.52	18.00	16.69	18.00	19.62	21.00	
	64	5320	17.02	18.50	17.11	18.50	20.08	21.50	
802.11ax-HE40 MCS0	54	5270	17.96	19.50	18.06	19.50	21.02	22.50	99.82
	62	5310	17.12	18.50	16.95	18.50	20.05	21.50	
802.11ax-HE80 MCS0	58	5290	17.44	19.00	17.35	19.00	20.41	22.00	100.00
802.11ax-HE160 MCS0	50	5250	16.25	17.50	15.85	17.50	19.06	20.50	100.00



【5.3GHz WLAN_Ant 5+7_Body-worn Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
	56	5280		17.50		17.50		20.50	
	60	5300		17.50		17.50		20.50	
	64	5320		17.50		17.50		20.50	
802.11n-HT20 MCS0	52	5260		17.50		17.50		20.50	
	56	5280		17.50		17.50		20.50	
	60	5300		17.50		17.50		20.50	
	64	5320		17.50		17.50		20.50	
802.11n-HT40 MCS0	54	5270		17.50		17.50		20.50	
	62	5310		17.50		17.50		20.50	
802.11ac-VHT20 MCS0	52	5260		17.50		17.50		20.50	
	56	5280		17.50		17.50		20.50	
	60	5300		17.50		17.50		20.50	
	64	5320		17.50		17.50		20.50	
802.11ac-VHT40 MCS0	54	5270		17.50		17.50		20.50	
	62	5310		17.50		17.50		20.50	
802.11ac-VHT80 MCS0	58	5290		17.50		17.50		20.50	
802.11ac-VHT160 MCS0	50	5250	16.18	17.50	15.78	17.50	18.99	20.50	99.63
802.11ax-HE20 MCS0	52	5260	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
	56	5280		17.50		17.50		20.50	
	60	5300		17.50		17.50		20.50	
	64	5320		17.50		17.50		20.50	
802.11ax-HE40 MCS0	54	5270		17.50		17.50		20.50	
	62	5310		17.50		17.50		20.50	
802.11ax-HE80 MCS0	58	5290		17.50		17.50		20.50	
802.11ax-HE160 MCS0	50	5250		17.50		17.50		20.50	

【5.3GHz WLAN_Ant 5+7_Extremity Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	16.27	18.00	16.27	18.00	19.28	21.00	99.05
	56	5280	16.22	18.00	16.25	18.00	19.25	21.00	
	60	5300	16.21	18.00	16.41	18.00	19.32	21.00	
	64	5320	16.21	18.00	16.28	18.00	19.26	21.00	
802.11n-HT20 MCS0	52	5260	16.53	18.00	16.53	18.00	19.54	21.00	100.00
	56	5280	16.46	18.00	16.50	18.00	19.49	21.00	
	60	5300	16.43	18.00	16.58	18.00	19.52	21.00	
	64	5320	16.93	18.50	17.00	18.50	19.98	21.50	
802.11n-HT40 MCS0	54	5270	17.88	19.50	17.95	19.50	20.93	22.50	100.00
	62	5310	17.04	18.50	16.84	18.50	19.95	21.50	
802.11ac-VHT20 MCS0	52	5260	16.50	18.00	16.49	18.00	19.51	21.00	100.00
	56	5280	16.40	18.00	16.45	18.00	19.44	21.00	
	60	5300	16.40	18.00	16.54	18.00	19.48	21.00	
	64	5320	16.90	18.50	16.96	18.50	19.94	21.50	
802.11ac-VHT40 MCS0	54	5270	17.85	19.50	17.93	19.50	20.90	22.50	100.00
	62	5310	17.01	18.50	16.82	18.50	19.93	21.50	
802.11ac-VHT80 MCS0	58	5290	17.33	19.00	17.24	18.50	20.30	22.00	99.82
802.11ac-VHT160 MCS0	50	5250	16.18	17.50	15.78	17.50	18.99	20.50	99.63
802.11ax-HE20 MCS0	52	5260	16.62	18.00	16.64	18.00	19.64	21.00	99.63
	56	5280	16.53	18.00	16.60	18.00	19.58	21.00	
	60	5300	16.52	18.00	16.69	18.00	19.62	21.00	
	64	5320	17.02	18.50	17.11	18.50	20.08	21.50	
802.11ax-HE40 MCS0	54	5270	17.96	19.50	18.06	19.50	21.02	22.50	99.82
	62	5310	17.12	18.50	16.95	18.50	20.05	21.50	
802.11ax-HE80 MCS0	58	5290	17.44	19.00	17.35	19.00	20.41	22.00	100.00
802.11ax-HE160 MCS0	50	5250	16.25	17.50	15.85	17.50	19.06	20.50	100.00



【5.3GHz WLAN_Ant 5+7_Extremity Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.00		18.00		21.00	
802.11n-HT20 MCS0	52	5260		18.00		18.00		21.00	
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.50		18.50		21.50	
802.11n-HT40 MCS0	54	5270	17.36	19.00	17.48	19.00	20.43	22.00	100.00
	62	5310	17.04	18.50	16.84	18.50	19.95	21.50	
802.11ac-VHT20 MCS0	52	5260	Not Required	18.00	Not Required	18.00	Not Required	21.00	Not Required
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.50		18.50		21.50	
802.11ac-VHT40 MCS0	54	5270		19.00		19.00		22.00	
	62	5310		18.50		18.50		21.50	
802.11ac-VHT80 MCS0	58	5290		19.00		18.50		22.00	
802.11ac-VHT160 MCS0	50	5250		17.50		17.50		20.50	
802.11ax-HE20 MCS0	52	5260		18.00		18.00		21.00	
	56	5280		18.00		18.00		21.00	
	60	5300		18.00		18.00		21.00	
	64	5320		18.50		18.50		21.50	
802.11ax-HE40 MCS0	54	5270		19.00		19.00		22.00	
	62	5310		18.50		18.50		21.50	
802.11ax-HE80 MCS0	58	5290		19.00		19.00		22.00	
802.11ax-HE160 MCS0	50	5250		17.50		17.50		20.50	

【5.5GHz WLAN_Ant 5+7_Full Power】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	16.74	18.50	16.14	17.50	19.46	21.00	99.05
	116	5580	17.25	18.50	16.60	18.00	19.95	21.50	
	124	5620	17.37	19.00	16.81	18.50	20.11	22.00	
	132	5660	17.33	19.00	16.79	18.50	20.08	22.00	
	144	5720	17.11	18.50	16.86	18.50	20.00	21.50	
802.11n-HT20 MCS0	100	5500	17.06	18.50	16.27	18.00	19.69	21.00	100.00
	116	5580	17.47	19.00	16.73	18.50	20.13	21.50	
	124	5620	16.61	18.00	16.03	17.50	19.34	21.00	
	132	5660	16.57	18.00	16.00	17.50	19.30	21.00	
	144	5720	17.17	18.50	17.14	18.50	20.17	21.50	
802.11n-HT40 MCS0	102	5510	17.22	18.50	16.34	18.00	19.81	21.50	100.00
	110	5550	18.46	20.00	17.77	19.00	21.14	23.00	
	126	5630	18.40	19.00	17.90	19.00	21.17	22.00	
	134	5670	18.45	20.00	17.94	19.50	21.21	22.50	
	142	5710	18.38	20.00	17.91	19.50	21.16	22.50	
802.11ac-VHT20 MCS0	100	5500	17.03	17.50	16.23	17.50	19.66	21.00	100.00
	116	5580	17.44	19.00	16.69	18.00	20.09	21.50	
	124	5620	16.55	18.00	15.96	17.50	19.28	21.00	
	132	5660	16.51	18.00	15.90	17.50	19.23	21.00	
	144	5720	17.14	18.50	17.10	18.50	20.13	21.50	
802.11ac-VHT40 MCS0	102	5510	17.19	18.50	16.32	18.00	19.79	21.50	100.00
	110	5550	18.43	20.00	17.75	19.00	21.11	22.50	
	126	5630	18.33	19.00	17.85	19.00	21.11	22.00	
	134	5670	18.42	20.00	17.92	19.50	21.19	22.50	
	142	5710	18.35	20.00	17.89	19.50	21.14	22.50	
802.11ac-VHT80 MCS0	106	5530	15.88	17.50	15.11	16.50	18.52	20.00	99.82
	122	5610	18.37	20.00	17.62	19.00	21.02	22.50	
	138	5690	18.34	20.00	17.68	19.00	21.03	22.50	
802.11ac-VHT160 MCS0	114	5570	15.71	17.00	14.97	16.50	18.37	20.00	99.63
802.11ax-HE20 MCS0	100	5500	17.15	18.50	16.38	18.00	19.79	21.50	99.63
	116	5580	17.56	19.00	16.84	18.50	20.23	21.50	
	124	5620	16.70	18.00	16.15	17.50	19.44	21.00	
	132	5660	16.68	18.00	16.11	17.50	19.41	21.00	
	144	5720	17.26	18.50	17.25	18.50	20.27	21.50	
802.11ax-HE40 MCS0	102	5510	17.30	19.00	16.45	18.00	19.91	21.50	99.82



	110	5550	18.54	20.00	17.88	19.50	21.23	21.50	
	126	5630	18.50	20.00	18.01	19.00	21.27	23.00	
	134	5670	18.53	20.00	18.05	19.50	21.31	22.00	
	142	5710	18.46	20.00	18.02	19.50	21.26	21.50	
802.11ax-HE80 MCS0	106	5530	15.99	17.50	15.22	16.50	18.63	20.00	100.00
	122	5610	18.48	20.00	17.73	19.00	21.13	22.50	
	138	5690	18.45	20.00	17.79	19.50	21.14	22.50	
802.11ax-HE160 MCS0	114	5570	15.78	17.50	15.04	16.50	18.44	20.00	100.00

【5.5GHz WLAN_Ant 5+7_Head Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Not Required	16	Not Required	15.5	Not Required	19	Not Required
	116	5580		16		15.5		19	
	124	5620		16		15.5		19	
	132	5660		16		15.5		19	
	144	5720		16		15.5		19	
802.11n-HT20 MCS0	100	5500		16		15.5		19	
	116	5580		16		15.5		19	
	124	5620		16		15.5		19	
	132	5660		16		15.5		19	
	144	5720		16		15.5		19	
802.11n-HT40 MCS0	102	5510		16		15.5		19	
	110	5550		16		15.5		19	
	126	5630		16		15.5		19	
	134	5670		16		15.5		19	
	142	5710		16		15.5		19	
802.11ac-VHT20 MCS0	100	5500		16		15.5		19	
	116	5580		16		15.5		19	
	124	5620		16		15.5		19	
	132	5660		16		15.5		19	
	144	5720		16		15.5		19	
802.11ac-VHT40 MCS0	102	5510		16		15.5		19	
	110	5550		16		15.5		19	
	126	5630		16		15.5		19	
	134	5670		16		15.5		19	
	142	5710		16		15.5		19	
802.11ac-VHT80 MCS0	106	5530	14.38	16	13.61	15	17.02	18.5	99.82
	122	5610	14.25	16	14.08	15.5	17.18	19	
	138	5690	14.29	16	14.13	15.5	17.22	19	
802.11ac-VHT160 MCS0	114	5570	Not Required	15.5	Not Required	15	Not Required	18.5	Not Required
802.11ax-HE20 MCS0	100	5500		16		15.5		19	
	116	5580		16		15.5		19	
	124	5620		16		15.5		19	
	132	5660		16		15.5		19	
	144	5720		16		15.5		19	
802.11ax-HE40 MCS0	102	5510		16		15.5		19	
	110	5550		16		15.5		19	
	126	5630		16		15.5		19	
	134	5670		16		15.5		19	
	142	5710		16		15.5		19	
802.11ax-HE80 MCS0	106	5530		16		15		18.5	
	122	5610		16		15.5		19	
	138	5690		16		15.5		19	
802.11ax-HE160 MCS0	114	5570		16		15		18.5	



【5.5GHz WLAN_Ant 5+7_Head Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	11	Not Required	10.5	Not Required	14	Not Required
	116	5580		11		10.5		14	
	124	5620		11		10.5		14	
	132	5660		11		10.5		14	
	144	5720		11		10.5		14	
802.11n-HT20 MCS0	100	5500		11		10.5		14	
	116	5580		11		10.5		14	
	124	5620		11		10.5		14	
	132	5660		11		10.5		14	
	144	5720		11		10.5		14	
802.11n-HT40 MCS0	102	5510		11		10.5		14	
	110	5550		11		10.5		14	
	126	5630		11		10.5		14	
	134	5670		11		10.5		14	
	142	5710		11		10.5		14	
802.11ac-VHT20 MCS0	100	5500		11		10.5		14	
	116	5580		11		10.5		14	
	124	5620		11		10.5		14	
	132	5660		11		10.5		14	
	144	5720		11		10.5		14	
802.11ac-VHT40 MCS0	102	5510		11		10.5		14	
	110	5550		11		10.5		14	
	126	5630		11		10.5		14	
	134	5670		11		10.5		14	
	142	5710		11		10.5		14	
802.11ac-VHT80 MCS0	106	5530		11		10.5		14	
	122	5610		11		10.5		14	
	138	5690		11		10.5		14	
802.11ac-VHT160 MCS0	114	5570	9.76	11	9.05	10.5	12.43	14	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	11	Not Required	10.5	Not Required	14	Not Required
	116	5580		11		10.5		14	
	124	5620		11		10.5		14	
	132	5660		11		10.5		14	
	144	5720		11		10.5		14	
802.11ax-HE40 MCS0	102	5510		11		10.5		14	
	110	5550		11		10.5		14	
	126	5630		11		10.5		14	
	134	5670		11		10.5		14	
	142	5710		11		10.5		14	
802.11ax-HE80 MCS0	106	5530		11		10.5		14	
	122	5610		11		10.5		14	
	138	5690		11		10.5		14	
802.11ax-HE160 MCS0	114	5570		11		10.5		14	

【5.5GHz WLAN_Ant 5+7_Body-worn Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required
	116	5580		18.50		18.00		21.50	
	124	5620		19.00		18.50		22.00	
	132	5660		19.00		18.50		22.00	
	144	5720		18.50		18.50		21.50	
802.11n-HT20 MCS0	100	5500		18.50		18.00		21.00	
	116	5580		19.00		18.50		21.50	
	124	5620		18.00		17.50		21.00	
	132	5660		18.00		17.50		21.00	
	144	5720		18.50		18.50		21.50	
802.11n-HT40 MCS0	102	5510		18.50		18.00		21.50	
	110	5550		19.00		18.50		22.00	
	126	5630		19.00		18.50		22.00	
	134	5670		19.00		18.50		22.00	
	142	5710		19.00		18.50		22.00	
802.11ac-VHT20 MCS0	100	5500		17.50		17.50		21.00	
	116	5580		19.00		18.00		21.50	
	124	5620		18.00		17.50		21.00	



802.11ac-VHT40 MCS0	132	5660		18.00		17.50		21.00	
	144	5720		18.50		18.50		21.50	
	102	5510		18.50		18.00		21.50	
	110	5550		19.00		18.50		22.00	
	126	5630		19.00		18.50		22.00	
	134	5670		19.00		18.50		22.00	
	142	5710		19.00		18.50		22.00	
	106	5530		17.50		16.50		20.00	
802.11ac-VHT80 MCS0	122	5610	15.88	19.00	15.11	18.50	18.52	22.00	99.82
	138	5690	17.42	19.00	17.09	18.50	20.27	22.00	
			17.38	19.00	17.15	18.50	20.28	22.00	
802.11ac-VHT160 MCS0	114	5570	Not Required	17.00	Not Required	16.50	Not Required	20.00	Not Required
802.11ax-HE20 MCS0	100	5500		18.50		18.00		21.50	
	116	5580		19.00		18.50		21.50	
	124	5620		18.00		17.50		21.00	
	132	5660		18.00		17.50		21.00	
	144	5720		18.50		18.50		21.50	
				19.00		18.00		21.50	
802.11ax-HE40 MCS0	110	5550		19.00		18.50		21.50	
	126	5630		19.00		18.50		22.00	
	134	5670		19.00		18.50		22.00	
	142	5710		19.00		18.50		21.50	
	106	5530		17.50		16.50		20.00	
802.11ax-HE80 MCS0	122	5610		19.00		18.50		22.00	
	138	5690		19.00		18.50		22.00	
				17.50		16.50		20.00	
802.11ax-HE160 MCS0	114	5570		17.50		16.50		20.00	

【5.5GHz WLAN_Ant 5+7_Body-worn Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Not Required	14.00	Not Required	13.50	Not Required	17.00	Not Required
	116	5580		14.00		13.50		17.00	
	124	5620		14.00		13.50		17.00	
	132	5660		14.00		13.50		17.00	
	144	5720		14.00		13.50		17.00	
802.11n-HT20 MCS0	100	5500		14.00		13.50		17.00	
	116	5580		14.00		13.50		17.00	
	124	5620		14.00		13.50		17.00	
	132	5660		14.00		13.50		17.00	
	144	5720		14.00		13.50		17.00	
802.11n-HT40 MCS0	102	5510		14.00		13.50		17.00	
	110	5550		14.00		13.50		17.00	
	126	5630		14.00		13.50		17.00	
	134	5670		14.00		13.50		17.00	
	142	5710		14.00		13.50		17.00	
802.11ac-VHT20 MCS0	100	5500		14.00		13.50		17.00	
	116	5580		14.00		13.50		17.00	
	124	5620		14.00		13.50		17.00	
	132	5660		14.00		13.50		17.00	
	144	5720		14.00		13.50		17.00	
802.11ac-VHT40 MCS0	102	5510		14.00		13.50		17.00	
	110	5550		14.00		13.50		17.00	
	126	5630		14.00		13.50		17.00	
	134	5670		14.00		13.50		17.00	
	142	5710		14.00		13.50		17.00	
802.11ac-VHT80 MCS0	106	5530		14.00		13.50		17.00	
	122	5610		14.00		13.50		17.00	
	138	5690		14.00		13.50		17.00	
802.11ac-VHT160 MCS0	114	5570	12.76	14.00	12.03	13.50	15.42	17.00	99.63
802.11ax-HE20 MCS0	100	5500	Not Required	14.00	Not Required	13.50	Not Required	17.00	Not Required
	116	5580		14.00		13.50		17.00	
	124	5620		14.00		13.50		17.00	
	132	5660		14.00		13.50		17.00	
	144	5720		14.00		13.50		17.00	
802.11ax-HE40 MCS0	102	5510		14.00		13.50		17.00	
	110	5550		14.00		13.50		17.00	
	126	5630		14.00		13.50		17.00	
	134	5670		14.00		13.50		17.00	
	142	5710		14.00		13.50		17.00	
802.11ax-HE80 MCS0	106	5530		14.00		13.50		17.00	
	122	5610		14.00		13.50		17.00	
	138	5690		14.00		13.50		17.00	
802.11ax-HE160 MCS0	114	5570		14.00		13.50		17.00	



【5.5GHz WLAN_Ant 5+7_Extremity Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	16.74	18.50	16.14	17.50	19.46	21.00	99.05
	116	5580	17.25	18.50	16.60	18.00	19.95	21.50	
	124	5620	17.37	19.00	16.81	18.50	20.11	22.00	
	132	5660	17.33	19.00	16.79	18.50	20.08	22.00	
	144	5720	17.11	18.50	16.86	18.50	20.00	21.50	
802.11n-HT20 MCS0	100	5500	17.06	18.50	16.27	18.00	19.69	21.00	100.00
	116	5580	17.47	19.00	16.73	18.50	20.13	21.50	
	124	5620	16.61	18.00	16.03	17.50	19.34	21.00	
	132	5660	16.57	18.00	16.00	17.50	19.30	21.00	
	144	5720	17.17	18.50	17.14	18.50	20.17	21.50	
802.11n-HT40 MCS0	102	5510	17.22	18.50	16.34	18.00	19.81	21.50	100.00
	110	5550	18.46	20.00	17.77	19.00	21.14	23.00	
	126	5630	18.40	19.00	17.90	19.00	21.17	22.00	
	134	5670	18.45	20.00	17.94	19.50	21.21	22.50	
	142	5710	18.38	20.00	17.91	19.50	21.16	22.50	
802.11ac-VHT20 MCS0	100	5500	17.03	17.50	16.23	17.50	19.66	21.00	100.00
	116	5580	17.44	19.00	16.69	18.00	20.09	21.50	
	124	5620	16.55	18.00	15.96	17.50	19.28	21.00	
	132	5660	16.51	18.00	15.90	17.50	19.23	21.00	
	144	5720	17.14	18.50	17.10	18.50	20.13	21.50	
802.11ac-VHT40 MCS0	102	5510	17.19	18.50	16.32	18.00	19.79	21.50	100.00
	110	5550	18.43	20.00	17.75	19.00	21.11	22.50	
	126	5630	18.33	19.00	17.85	19.00	21.11	22.00	
	134	5670	18.42	20.00	17.92	19.50	21.19	22.50	
	142	5710	18.35	20.00	17.89	19.50	21.14	22.50	
802.11ac-VHT80 MCS0	106	5530	15.88	17.50	15.11	16.50	18.52	20.00	99.82
	122	5610	18.37	20.00	17.62	19.00	21.02	22.50	
	138	5690	18.34	20.00	17.68	19.00	21.03	22.50	
802.11ac-VHT160 MCS0	114	5570	15.71	17.00	14.97	16.50	18.37	20.00	99.63
802.11ax-HE20 MCS0	100	5500	17.15	18.50	16.38	18.00	19.79	21.50	99.63
	116	5580	17.56	19.00	16.84	18.50	20.23	21.50	
	124	5620	16.70	18.00	16.15	17.50	19.44	21.00	
	132	5660	16.68	18.00	16.11	17.50	19.41	21.00	
	144	5720	17.26	18.50	17.25	18.50	20.27	21.50	
802.11ax-HE40 MCS0	102	5510	17.30	19.00	16.45	18.00	19.91	21.50	99.82
	110	5550	18.54	20.00	17.88	19.50	21.23	21.50	
	126	5630	18.50	20.00	18.01	19.00	21.27	23.00	
	134	5670	18.53	20.00	18.05	19.50	21.31	22.00	
	142	5710	18.46	20.00	18.02	19.50	21.26	21.50	
802.11ax-HE80 MCS0	106	5530	15.99	17.50	15.22	16.50	18.63	20.00	100.00
	122	5610	18.48	20.00	17.73	19.00	21.13	22.50	
	138	5690	18.45	20.00	17.79	19.50	21.14	22.50	
802.11ax-HE160 MCS0	114	5570	15.78	17.50	15.04	16.50	18.44	20.00	100.00



【5.5GHz WLAN_Ant 5+7_Extremity Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Not Required	18.50	Not Required	17.50	Not Required	21.00	Not Required
	116	5580		18.50		18.00		21.50	
	124	5620		18.50		18.00		21.50	
	132	5660		18.50		18.00		21.50	
	144	5720		18.50		18.00		21.50	
802.11n-HT20 MCS0	100	5500		18.50		18.00		21.00	
	116	5580		18.50		18.00		21.50	
	124	5620		18.00		17.50		21.00	
	132	5660		18.00		17.50		21.00	
	144	5720		18.50		18.00		21.50	
802.11n-HT40 MCS0	102	5510		18.50		18.00		21.50	
	110	5550		18.50		18.00		21.50	
	126	5630		18.50		18.00		21.50	
	134	5670		18.50		18.00		21.50	
	142	5710		18.50		18.00		21.50	
802.11ac-VHT20 MCS0	100	5500		17.50		17.50		21.00	
	116	5580		18.50		18.00		21.50	
	124	5620		18.00		17.50		21.00	
	132	5660		18.00		17.50		21.00	
	144	5720		18.50		18.00		21.50	
802.11ac-VHT40 MCS0	102	5510		18.50		18.00		21.50	
	110	5550		18.50		18.00		21.50	
	126	5630		18.50		18.00		21.50	
	134	5670		18.50		18.00		21.50	
	142	5710		18.50		18.00		21.50	
802.11ac-VHT80 MCS0	106	5530	15.88	17.50	15.11	16.50	18.52	20.00	99.82
	122	5610	16.92	18.50	16.68	18.00	19.81	21.50	
	138	5690	16.96	18.50	16.75	18.00	19.87	21.50	
802.11ac-VHT160 MCS0	114	5570	Not Required	17.00	Not Required	16.50	Not Required	20.00	Not Required
802.11ax-HE20 MCS0	100	5500		18.50		18.00		21.50	
	116	5580		18.50		18.00		21.50	
	124	5620		18.00		17.50		21.00	
	132	5660		18.00		17.50		21.00	
	144	5720		18.50		18.00		21.50	
802.11ax-HE40 MCS0	102	5510		18.50		18.00		21.50	
	110	5550		18.50		18.00		21.50	
	126	5630		18.50		18.00		21.50	
	134	5670		18.50		18.00		21.50	
	142	5710		18.50		18.00		21.50	
802.11ax-HE80 MCS0	106	5530		17.50		16.50		20.00	
	122	5610		18.50		18.00		21.50	
	138	5690		18.50		18.00		21.50	
802.11ax-HE160 MCS0	114	5570		17.50		16.50		20.00	

【5.8GHz WLAN_Ant 5+7_Full Power】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	17.76	19.00	17.75	19.00	20.77	22.00	99.05
	157	5785	17.16	18.50	17.39	19.00	20.29	21.50	
	165	5825	16.97	18.50	17.38	19.00	20.19	21.50	
802.11n-HT20 MCS0	149	5745	17.55	19.00	17.66	19.00	20.62	22.00	99.63
	157	5785	16.94	18.50	17.29	18.50	20.13	21.50	
	165	5825	16.75	18.00	17.24	18.50	20.01	21.50	
802.11n-HT40 MCS0	151	5755	17.83	19.50	17.83	19.50	20.84	22.50	100.00
	159	5795	17.19	18.50	17.55	19.00	20.38	22.00	
802.11ac-VHT20 MCS0	149	5745	17.52	19.00	17.62	19.00	20.58	22.00	100.00
	157	5785	16.91	18.50	17.25	18.50	20.09	21.50	
	165	5825	16.72	18.00	17.20	18.50	19.98	21.50	
802.11ac-VHT40 MCS0	151	5755	17.79	19.50	17.79	19.50	20.80	22.50	99.45
	159	5795	17.15	18.50	17.51	19.00	20.34	22.00	
802.11ac-VHT80 MCS0	155	5775	17.31	19.00	17.48	19.00	20.41	22.00	99.82
802.11ax-HE20 MCS0	149	5745	17.65	19.00	17.74	19.00	20.71	22.00	99.63
	157	5785	17.04	18.50	17.37	19.00	20.22	21.50	
	165	5825	16.85	18.50	17.32	19.00	20.10	21.50	
802.11ax-HE40 MCS0	151	5755	17.92	19.50	17.92	19.50	20.93	22.50	99.82



	159	5795	17.28	18.50	17.64	19.00	20.47	22.00	
802.11ax-HE80 MCS0	155	5775	17.35	19.00	17.54	19.00	20.46	22.00	100.00

【5.8GHz WLAN_Ant 5+7_Head Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	157	5785		15.50		15.50		18.50	
	165	5825		15.50		15.50		18.50	
802.11n-HT20 MCS0	149	5745		15.50		15.50		18.50	
	157	5785		15.50		15.50		18.50	
	165	5825		15.50		15.50		18.50	
802.11n-HT40 MCS0	151	5755		15.50		15.50		18.50	
	159	5795		15.50		15.50		18.50	
	149	5745		15.50		15.50		18.50	
802.11ac-VHT20 MCS0	157	5785		15.50		15.50		18.50	
	165	5825		15.50		15.50		18.50	
	151	5755		15.50		15.50		18.50	
802.11ac-VHT40 MCS0	159	5795		15.50		15.50		18.50	
	155	5775	13.88	15.50	14.02	15.50	16.96	18.50	99.82
802.11ax-HE20 MCS0	149	5745	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	157	5785		15.50		15.50		18.50	
	165	5825		15.50		15.50		18.50	
802.11ax-HE40 MCS0	151	5755		15.50		15.50		18.50	
	159	5795		15.50		15.50		18.50	
802.11ax-HE80 MCS0	155	5775		15.50		15.50		18.50	

【5.8GHz WLAN_Ant 5+7_Head Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	157	5785		10.50		10.50		13.50	
	165	5825		10.50		10.50		13.50	
802.11n-HT20 MCS0	149	5745		10.50		10.50		13.50	
	157	5785		10.50		10.50		13.50	
	165	5825		10.50		10.50		13.50	
802.11n-HT40 MCS0	151	5755		10.50		10.50		13.50	
	159	5795		10.50		10.50		13.50	
	149	5745		10.50		10.50		13.50	
802.11ac-VHT20 MCS0	157	5785		10.50		10.50		13.50	
	165	5825		10.50		10.50		13.50	
	151	5755		10.50		10.50		13.50	
802.11ac-VHT40 MCS0	159	5795		10.50		10.50		13.50	
	155	5775	8.93	10.50	9.06	10.50	12.01	13.50	99.82
802.11ax-HE20 MCS0	149	5745	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	157	5785		10.50		10.50		13.50	
	165	5825		10.50		10.50		13.50	
802.11ax-HE40 MCS0	151	5755		10.50		10.50		13.50	
	159	5795		10.50		10.50		13.50	
802.11ax-HE80 MCS0	155	5775		10.50		10.50		13.50	



【5.8GHz WLAN_Ant 5+7_Body-worn Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	17.76	19.00	17.75	19.00	20.77	22.00	99.05
	157	5785	17.16	18.50	17.39	19.00	20.29	21.50	
	165	5825	16.97	18.50	17.38	19.00	20.19	21.50	
802.11n-HT20 MCS0	149	5745	17.55	19.00	17.66	19.00	20.62	22.00	99.63
	157	5785	16.94	18.50	17.29	18.50	20.13	21.50	
	165	5825	16.75	18.00	17.24	18.50	20.01	21.50	
802.11n-HT40 MCS0	151	5755	17.83	19.50	17.83	19.50	20.84	22.50	100.00
	159	5795	17.19	18.50	17.55	19.00	20.38	22.00	
802.11ac-VHT20 MCS0	149	5745	17.52	19.00	17.62	19.00	20.58	22.00	100.00
	157	5785	16.91	18.50	17.25	18.50	20.09	21.50	
	165	5825	16.72	18.00	17.20	18.50	19.98	21.50	
802.11ac-VHT40 MCS0	151	5755	17.79	19.50	17.79	19.50	20.80	22.50	99.45
	159	5795	17.15	18.50	17.51	19.00	20.34	22.00	
802.11ac-VHT80 MCS0	155	5775	17.31	19.00	17.48	19.00	20.41	22.00	99.82
802.11ax-HE20 MCS0	149	5745	17.65	19.00	17.74	19.00	20.71	22.00	99.63
	157	5785	17.04	18.50	17.37	19.00	20.22	21.50	
	165	5825	16.85	18.50	17.32	19.00	20.10	21.50	
802.11ax-HE40 MCS0	151	5755	17.92	19.50	17.92	19.50	20.93	22.50	99.82
	159	5795	17.28	18.50	17.64	19.00	20.47	22.00	
802.11ax-HE80 MCS0	155	5775	17.35	19.00	17.54	19.00	20.46	22.00	100.00

【5.8GHz WLAN_Ant 5+7_Body-worn Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		Duty Cycle %
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	
802.11a 6Mbps	149	5745	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required
	157	5785		14.50		14.50		17.50	
	165	5825		14.50		14.50		17.50	
802.11n-HT20 MCS0	149	5745		14.50		14.50		17.50	
	157	5785		14.50		14.50		17.50	
	165	5825		14.50		14.50		17.50	
802.11n-HT40 MCS0	151	5755		14.50		14.50		17.50	
	159	5795		14.50		14.50		17.50	
802.11ac-VHT20 MCS0	149	5745		14.50		14.50		17.50	
	157	5785		14.50		14.50		17.50	
	165	5825		14.50		14.50		17.50	
802.11ac-VHT40 MCS0	151	5755		14.50		14.50		17.50	
	159	5795		14.50		14.50		17.50	
802.11ac-VHT80 MCS0	155	5775	12.85	14.50	13.03	14.50	15.95	17.50	99.82
802.11ax-HE20 MCS0	149	5745	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required
	157	5785		14.50		14.50		17.50	
	165	5825		14.50		14.50		17.50	
802.11ax-HE40 MCS0	151	5755		14.50		14.50		17.50	
	159	5795		14.50		14.50		17.50	
802.11ax-HE80 MCS0	155	5775		14.50		14.50		17.50	



【5.8GHz WLAN_Ant 5+7_Hotspot】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	15.5	Not Required	15.5	Not Required	18.5	Not Required
	157	5785		15.5		15.5		18.5	
	165	5825		15.5		15.5		18.5	
802.11n-HT20 MCS0	149	5745		15.5		15.5		18.5	
	157	5785		15.5		15.5		18.5	
	165	5825		15		15.5		18.5	
802.11n-HT40 MCS0	151	5755		15.5		15.5		18.5	
	159	5795		15.5		15.5		18.5	
802.11ac-VHT20 MCS0	149	5745		15.5		15.5		18.5	
	157	5785		15.5		15.5		18.5	
	165	5825		15		15.5		18.5	
802.11ac-VHT40 MCS0	151	5755		15.5		15.5		18.5	
	159	5795		15.5		15.5		18.5	
802.11ac-VHT80 MCS0	155	5775	14.31	15.5	14.48	15.5	17.41	18.5	99.82
802.11ax-HE20 MCS0	149	5745	Not Required	15.5	Not Required	15.5	Not Required	18.5	Not Required
	157	5785		15.5		15.5		18.5	
	165	5825		15.5		15.5		18.5	
802.11ax-HE40 MCS0	151	5755		15.5		15.5		18.5	
	159	5795		15.5		15.5		18.5	
802.11ax-HE80 MCS0	155	5775		15.5		15.5		18.5	

【5.8GHz WLAN_Ant 5+7_Extremity Standalone】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	17.76	19.00	17.75	19.00	20.77	22.00	99.05
	157	5785	17.16	18.50	17.39	19.00	20.29	21.50	
	165	5825	16.97	18.50	17.38	19.00	20.19	21.50	
802.11n-HT20 MCS0	149	5745	17.55	19.00	17.66	19.00	20.62	22.00	99.63
	157	5785	16.94	18.50	17.29	18.50	20.13	21.50	
	165	5825	16.75	18.00	17.24	18.50	20.01	21.50	
802.11n-HT40 MCS0	151	5755	17.83	19.50	17.83	19.50	20.84	22.50	100.00
	159	5795	17.19	18.50	17.55	19.00	20.38	22.00	
802.11ac-VHT20 MCS0	149	5745	17.52	19.00	17.62	19.00	20.58	22.00	100.00
	157	5785	16.91	18.50	17.25	18.50	20.09	21.50	
	165	5825	16.72	18.00	17.20	18.50	19.98	21.50	
802.11ac-VHT40 MCS0	151	5755	17.79	19.50	17.79	19.50	20.80	22.50	99.45
	159	5795	17.15	18.50	17.51	19.00	20.34	22.00	
802.11ac-VHT80 MCS0	155	5775	17.31	19.00	17.48	19.00	20.41	22.00	99.82
802.11ax-HE20 MCS0	149	5745	17.65	19.00	17.74	19.00	20.71	22.00	99.63
	157	5785	17.04	18.50	17.37	19.00	20.22	21.50	
	165	5825	16.85	18.50	17.32	19.00	20.10	21.50	
802.11ax-HE40 MCS0	151	5755	17.92	19.50	17.92	19.50	20.93	22.50	99.82
	159	5795	17.28	18.50	17.64	19.00	20.47	22.00	
802.11ax-HE80 MCS0	155	5775	17.35	19.00	17.54	19.00	20.46	22.00	100.00



【5.8GHz WLAN_Ant 5+7_Extremity Simultaneous】

Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	157	5785		16.50		16.50		19.50	
	165	5825		16.50		16.50		19.50	
802.11n-HT20 MCS0	149	5745		16.50		16.50		19.50	
	157	5785		16.50		16.50		19.50	
	165	5825		16.50		16.50		19.50	
802.11n-HT40 MCS0	151	5755		16.50		16.50		19.50	
	159	5795		16.50		16.50		19.50	
802.11ac-VHT20 MCS0	149	5745		16.50		16.50		19.50	
	157	5785		16.50		16.50		19.50	
	165	5825		16.50		16.50		19.50	
802.11ac-VHT40 MCS0	151	5755		16.50		16.50		19.50	
	159	5795		16.50		16.50		19.50	
802.11ac-VHT80 MCS0	155	5775	14.86	16.50	15.03	16.50	17.96	19.50	99.82
802.11ax-HE20 MCS0	149	5745	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	157	5785		16.50		16.50		19.50	
	165	5825		16.50		16.50		19.50	
802.11ax-HE40 MCS0	151	5755		16.50		16.50		19.50	
	159	5795		16.50		16.50		19.50	
802.11ax-HE80 MCS0	155	5775		16.50		16.50		19.50	

<6GHz WLAN_Ant 5+7_Full Power>									
Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	6.24	7.5	7.06	8.5	9.68	11	99.05
	57	6235	7.51	9	7.31	9	10.42	12	99.05
	113	6515	7.26	8.5	5.87	7.5	9.63	11	99.05
	173	6815	6.83	8.5	6.79	8.5	9.82	11.5	99.05
	229	7095	8.93	10.5	7.17	8.5	11.15	12.5	99.05
802.11ax-HE20 MCS0	1	5955	6.96	8.5	7.59	9	10.3	12	99.82
	57	6235	7.82	9.50	7.71	9.50	10.77	12.5	99.82
	113	6515	7.65	9.00	6.26	7.50	10.02	11.5	99.82
	173	6815	7.59	9.00	7.64	9.00	10.62	12	99.82
	229	7095	9.28	11.00	7.57	9.00	11.52	13	99.82
802.11ax-HE40 MCS0	3	5965	10.35	12.00	10.13	11.50	13.25	14.5	99.63
	59	6245	10.94	12.00	10.64	12.00	13.80	15	99.63
	107	6485	10.47	12.00	8.93	10.50	12.78	14.5	99.63
	171	6805	10.76	12.00	10.61	12.00	13.69	15	99.63
	227	7085	12.03	13.50	10.28	11.50	14.25	15.5	99.63
802.11ax-HE80 MCS0	7	5985	12.73	14.00	13.40	15.00	16.09	17.5	99.63
	71	6305	13.05	14.00	12.28	14.00	15.69	17	99.63
	119	6545	13.02	14.50	12.28	13.50	15.68	17	99.63
	167	6785	13.71	15.00	13.65	15.00	16.69	18	99.63
	215	7025	14.32	16	13.69	15	17.03	18.5	99.63
802.11ax-HE160 MCS0	15	6025	14.24	15.5	14.3	16	17.28	18.5	99.63
	47	6185	15.3	15.5	15.21	16.5	18.27	19.5	99.63
	111	6505	15.54	17	14.65	16	18.13	19.5	99.63
	143	6665	15.27	16.5	14.72	16	18.01	19.5	99.63
	207	6985	13.25	14.5	12.29	13.5	15.81	17.5	99.63



<6GHz WLAN_Ant 5+7_Head Standalone>									
Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	6.24	7.5	7.06	8.5	9.68	11	99.05
	57	6235	7.51	9	7.31	9	10.42	12	99.05
	113	6515	7.26	8.5	5.87	7.5	9.63	11	99.05
	173	6815	6.83	8.5	6.79	8.5	9.82	11.5	99.05
	229	7095	8.93	10.5	7.17	8.5	11.15	12.5	99.05
802.11ax-HE20 MCS0	1	5955	6.96	8.5	7.59	9	10.3	12	99.82
	57	6235	7.82	9.50	7.71	9.50	10.77	12.5	99.82
	113	6515	7.65	9.00	6.26	7.50	10.02	11.5	99.82
	173	6815	7.59	9.00	7.64	9.00	10.62	12	99.82
	229	7095	9.28	11.00	7.57	9.00	11.52	13	99.82
802.11ax-HE40 MCS0	3	5965	10.35	12.00	10.13	11.50	13.25	14.5	99.63
	59	6245	10.94	12.00	10.64	12.00	13.80	15	99.63
	107	6485	10.47	12.00	8.93	10.50	12.78	14.5	99.63
	171	6805	10.76	12.00	10.61	12.00	13.69	15	99.63
	227	7085	12.03	13.50	10.28	11.50	14.25	15.5	99.63
802.11ax-HE80 MCS0	7	5985	12.73	14.00	13.40	15.00	16.09	17.5	99.63
	71	6305	13.05	14.00	12.28	14.00	15.69	17	99.63
	119	6545	13.02	14.50	12.28	13.50	15.68	17	99.63
	167	6785	13.71	15.00	13.65	15.00	16.69	18	99.63
	215	7025	14.32	16	13.69	15	17.03	18.5	99.63
802.11ax-HE160 MCS0	15	6025	14.24	15.5	14.3	16	17.28	18.5	99.63
	47	6185	15.3	15.5	15.21	16.5	18.27	19.5	99.63
	111	6505	15.54	17	14.65	16	18.13	19.5	99.63
	143	6665	15.27	16.5	14.72	16	18.01	19.5	99.63
	207	6985	13.25	14.5	12.29	13.5	15.81	17.5	99.63

<6GHz WLAN_Ant 5+7_Head Simultaneous>									
Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	Not Required	7.5	Not Required	8.5	Not Required	11	99.05
	57	6235	Not Required	9	Not Required	9	Not Required	12	99.05
	113	6515	Not Required	8.5	Not Required	7.5	Not Required	11	99.05
	173	6815	Not Required	8.5	Not Required	8.5	Not Required	11.5	99.05
	229	7095	Not Required	10.5	Not Required	8.5	Not Required	12.5	99.05
802.11ax-HE20 MCS0	1	5955	Not Required	8.5	Not Required	9	Not Required	12	99.82
	57	6235	Not Required	9.50	Not Required	9.50	Not Required	12.5	99.82
	113	6515	Not Required	9.00	Not Required	7.50	Not Required	11.5	99.82
	173	6815	Not Required	9.00	Not Required	9.00	Not Required	12	99.82
	229	7095	Not Required	11.00	Not Required	9.00	Not Required	13	99.82
802.11ax-HE40 MCS0	3	5965	Not Required	12.00	Not Required	11.50	Not Required	14.5	99.63
	59	6245	Not Required	12.00	Not Required	12.00	Not Required	15	99.63
	107	6485	Not Required	12.00	Not Required	10.50	Not Required	14.5	99.63
	171	6805	Not Required	12.00	Not Required	12.00	Not Required	15	99.63
	227	7085	Not Required	13.50	Not Required	11.50	Not Required	15.5	99.63
802.11ax-HE80 MCS0	7	5985	Not Required	14.00	Not Required	15.00	Not Required	17.5	99.63
	71	6305	Not Required	14.00	Not Required	14.00	Not Required	17	99.63
	119	6545	Not Required	14.50	Not Required	13.50	Not Required	17	99.63
	167	6785	Not Required	15.00	Not Required	15.00	Not Required	18	99.63
	215	7025	Not Required	14.5	Not Required	13.5	Not Required	17.5	99.63
802.11ax-HE160 MCS0	15	6025	12.79	14	12.85	14.5	15.82	17	99.63
	47	6185	13.85	14	13.77	15	16.81	18	99.63
	111	6505	14.56	16	13.69	15	17.17	18.5	99.63
	143	6665	15.27	16.5	14.72	16	18.01	19.5	99.63
	207	6985	13.25	14.5	12.29	13.5	15.81	17.5	99.63



<6GHz WLAN_Ant 5+7_Body-worn Standalone>									
Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	6.24	7.5	7.06	8.5	9.68	11	99.05
	57	6235	7.51	9	7.31	9	10.42	12	99.05
	113	6515	7.26	8.5	5.87	7.5	9.63	11	99.05
	173	6815	6.83	8.5	6.79	8.5	9.82	11.5	99.05
	233	7115	8.93	10.5	7.17	8.5	11.15	12.5	99.05
802.11ax-HE20 MCS0	1	5955	6.96	8.5	7.59	9	10.3	12	99.82
	57	6235	7.82	9.50	7.71	9.50	10.77	12.5	99.82
	113	6515	7.65	9.00	6.26	7.50	10.02	11.5	99.82
	173	6815	7.59	9.00	7.64	9.00	10.62	12	99.82
	233	7115	9.28	11.00	7.57	9.00	11.52	13	99.82
802.11ax-HE40 MCS0	3	5965	10.35	12.00	10.13	11.50	13.25	14.5	99.63
	59	6245	10.94	12.00	10.64	12.00	13.80	15	99.63
	107	6485	10.47	12.00	8.93	10.50	12.78	14.5	99.63
	171	6805	10.76	12.00	10.61	12.00	13.69	15	99.63
	227	7085	12.03	13.50	10.28	11.50	14.25	15.5	99.63
802.11ax-HE80 MCS0	7	5985	12.73	14.00	13.40	15.00	16.09	17.5	99.63
	71	6305	13.05	14.00	12.28	14.00	15.69	17	99.63
	119	6545	13.02	14.5	12.28	13.5	15.68	17	99.63
	167	6785	13.71	15	13.65	15	16.69	18	99.63
	215	7025	14.32	16	13.69	15	17.03	18.5	99.63
802.11ax-HE160 MCS0	15	6025	14.24	15.5	14.3	16	17.28	18.5	99.63
	47	6185	15.3	15.5	15.21	16.5	18.27	19.5	99.63
	111	6505	15.54	17	14.65	16	18.13	19.5	99.63
	143	6665	15.27	16.5	14.72	16	18.01	19.5	99.63
	207	6985	13.25	14.5	12.29	13.5	15.81	17.5	99.63

<6GHz WLAN_Ant 5+7_Extremity Standalone>									
Mode	Channel	Frequency (MHz)	Ant 5+7(5)		Ant 5+7(7)		Ant 5+7		
			Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Average Power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	1	5955	6.24	7.5	7.06	8.5	9.68	11	99.05
	57	6235	7.51	9	7.31	9	10.42	12	99.05
	113	6515	7.26	8.5	5.87	7.5	9.63	11	99.05
	173	6815	6.83	8.5	6.79	8.5	9.82	11.5	99.05
	233	7115	8.93	10.5	7.17	8.5	11.15	12.5	99.05
802.11ax-HE20 MCS0	1	5955	6.96	8.5	7.59	9	10.3	12	99.82
	57	6235	7.82	9.50	7.71	9.50	10.77	12.5	99.82
	113	6515	7.65	9.00	6.26	7.50	10.02	11.5	99.82
	173	6815	7.59	9.00	7.64	9.00	10.62	12	99.82
	233	7115	9.28	11.00	7.57	9.00	11.52	13	99.82
802.11ax-HE40 MCS0	3	5965	10.35	12.00	10.13	11.50	13.25	14.5	99.63
	59	6245	10.94	12.00	10.64	12.00	13.80	15	99.63
	107	6485	10.47	12.00	8.93	10.50	12.78	14.5	99.63
	171	6805	10.76	12.00	10.61	12.00	13.69	15	99.63
	227	7085	12.03	13.50	10.28	11.50	14.25	15.5	99.63
802.11ax-HE80 MCS0	7	5985	12.73	14.00	13.40	15.00	16.09	17.5	99.63
	71	6305	13.05	14.00	12.28	14.00	15.69	17	99.63
	119	6545	13.02	14.5	12.28	13.5	15.68	17	99.63
	167	6785	13.71	15	13.65	15	16.69	18	99.63
	215	7025	14.32	16	13.69	15	17.03	18.5	99.63
802.11ax-HE160 MCS0	15	6025	14.24	15.5	14.3	16	17.28	18.5	99.63
	47	6185	15.3	15.5	15.21	16.5	18.27	19.5	99.63
	111	6505	15.54	17	14.65	16	18.13	19.5	99.63
	143	6665	15.27	16.5	14.72	16	18.01	19.5	99.63
	207	6985	13.25	14.5	12.29	13.5	15.81	17.5	99.63